USER'S MANUAL
32PD5000
42PD5000

Thank you very much for purchasing the HITACHI Plasma Display Monitor.
Before using your monitor, please carefully read the "SAFETY INSTRUCTIONS" and this "USER'S MANUAL" so you will know how to operate the monitor properly. Keep this manual in a safe place. You will find it useful in the future.

Notes on Installation Work:

This product is marketed assuming that it is installed by qualifed personnel with enough skill and competence. Always have an installation specialist or your dealer install and set up the product. HITACHI cannot assume liabilities for damage caused by mistake in installation or mounting, misuse, modification or a natural disaster.

Note for Dealers:

After installation, be sure to deliver this manual to the customer and explain to the customer how to handle the product.

Important

Please read this User's Manual thoroughly, especially the Safety Instructions on Page 4 to 7. Mis-use may cause damage to your plasma monitor, which could shorten its lifespan, or cause injury to yourself. Should you encounter any difficulty in the set-up or operation of your monitor, firstly refer to the Troubleshooting guide at the rear of this manual.

In the unlikely event of a problem occurring with your plasma monitor, switch off at the mains sockets, pull out the plugs, and contact your dealer immediately.

CAUTION

Under no circumstances remove the rear cover of your plasma monitor.

Never guess or take any chances with electrical equipment of any kind - it is better to be safe than sorry!

Software Notice

It is prohibited for the end user of this product to copy, reverse engineer or reverse compile the software included therein, save to the extent permitted by law.

Plasma Monitor

After the plasma monitor has been on for any length of time, you will notice that the screen becomes warm. Please note that this is normal. Sometimes the screen might have some tiny bright or dark spots. Please note that this is normal.

CAUTION

To prevent scratches or damages to the plasma screen, do not knock or rub the surface with sharp or hard objects. Clean the screen with a soft cloth moistened with warm water and dry with a soft cloth. A mild soap may be used if the screen is extremely dirty. Do not use harsh or abrasive cleaners!

CAUTION

Use a soft cloth to clean the cabinet and control panel of the monitor. When excessively soiled dilute a neutral detergent in water, wet and wring out the soft cloth and afterward wipe with a dry soft cloth. Never use acid/alkaline detergent, alcoholic detergent, abrasive cleaner, powder soap, OA cleaner, car wax, glass cleaner, etc. especially because they would cause discoloration, scratches or cracks.

FEATURES

Large-screen, high-definition plasma display panel

The 42-inch color plasma display panel, with a resolution of 1024 (H) x 1024(V) pixels, and the 32-inch color plasma display panel with a resolution of 852(H) X 1024(V) pixels, creates a high-definition, large-screen (aspect ratio : 16:9) and low-profile flat display. Free from electromagnetic interferences from geomagnetic sources and ambient power lines, the panel produces high-quality display images free from color misconvergence and display distortion.

High Performance Digital Processor

A wide range of personal computer signals can be handled, from 640 x 400, 640 x 480 VGA to 1600 x 1200 UXGA.

Easy-to-use remote control and on screen display system

The remote control included eases the work of setting display controls. Further, the on-screen display system, displays the status of signal reception and display control settings in an easy-to-view fashion.

Power saving system

The International ENERGY STAR® power saver feature saves power consumption automatically when input signals are not available. When connected to a VESA DPMS-compliant PC, the monitor cuts its power consumption while it is idle.

TruBass   TruBass by SRS (O)

TruBass, SRS and (O) symbol are trademarks of SRS Labs,Inc.
TruBass technology is incorporated under license from SRS Labs, Inc.

About the Optional Video Unit

The following functions can be obtained by connecting the optional video unit.
(1) A composite/S terminal and two component terminals have been added. A composite video output terminal is also provided as a monitoring output.
(2) A wide range of devices other than personal computers can also be connected.
(3) A component input is possible to switch to RGB signals from the Menu screen.
(4) A SCART terminal is also provided for the signal of the European standard. It operates as composite/S/RGB input terminal, or video output terminal.

Options

Ask your local retail dealer for further details.
1. Desktop stand:
    • CMPAD23 (for 32")
    • CMPAD25 (for 42")
2. Plasma monitor speaker:
    • CMPAS03 (for 32")   bass reflex speaker unit with 16x4.5cm cone type speaker (color: dark gray)
    • CMPAS03S (for 32")   same type to CMPAS03 (color: light gray)
    • CMPAS14 (for 42")   2 way speaker unit with one 2.5cm dome type tweeter and two 8cm round type woofers (color: dark gray)
    • CMPAS14S (for 42")   same type to CMPAS14 (color: light gray)

3. Video unit: CMPAVW1
    An expansion unit for viewing video with this device.

CONTENTS

ENGLISH

Notes about This Manual
• The information in this manual is subject to change without notice.
• While meticulous care has been taken in the preparation of this manual, you are requested to notify your dealer or us should you have any comments, views or questions about our product.
• Fully understand the prerequisites to using the product, such as hardware and software specifications and constraints, in using the product. We are not held liable for damages caused by improper handling of the product.
• Reproduction of this manual in whole or in part without our prior written permission is prohibited.
• The product names mentioned in this manual may be trademarks or registered trademarks of their respective owners.

SAFETY INSTRUCTIONS

This Plasma monitor has been designed and manufactured to meet international safety standards, but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.
Before using this product, please read and understand the Safety Instructions thoroughly to ensure correct usage, and follow all the instructions.

About the Symbols

Various symbols are used in this manual, the user's manual and on the product itself to ensure correct usage, to prevent danger to the user and others, and to prevent property damage. The meanings of these symbols are described below. It is important that you read these descriptions thoroughly and fully understand the contents.

⚠ **WARNING** This symbol indicates information that, if ignored, could possibly result in personal injury or even death due to incorrect handling.

⚠ **CAUTION** This symbol indicates information that, if ignored, could result possibly in personal injury or physical damage due to incorrect handling.

Typical Symbols

This symbol indicates an additional warning (including cautions). An illustration is provided to clarify the contents.

This symbol indicates a prohibited action. The contents will be clearly indicated in an illustration or nearby (the symbol to the left indicates that disassembly is prohibited).

This symbol indicates a compulsory action. The contents will be clearly indicated in an illustration or nearby (the symbol to the left indicates that the power plug should be disconnected from the power outlet).

⚠ WARNING

Never use the monitor if a problem should occur.
Abnormal operations such as smoke, strange odor, no image, no sound, excessive sound, damaged casing, elements, cables, penetration of liquids or foreign matter, etc. can cause a fire or electrical shock.
In such case, immediately turn off the power switch and then disconnect the power plug from the power outlet. After making sure that the smoke or odor has stopped, contact your dealer. Never attempt to make repairs yourself because this could be dangerous.

Disconnect the plug from the power outlet.

Do not insert liquids or foreign objects.
Penetration of liquids or foreign objects could result in fire or electrical shock. Use special caution in households where children are present.
If liquids or foreign objects should enter the projector, immediately turn off the power switch, disconnect the power plug from the power outlet and contact your dealer.
• Do not place the monitor in a bathroom.
• Do not expose the monitor to rain or moisture.
• Do not place flower vases, pots, cups, cosmetics, liquids such as water, etc on or around the monitor.
• Do not place metals, combustibles, etc on or around the monitor.

Never disassemble or modify the monitor.
The monitor contains high voltage components. Modification could result in fire or electrical shock.
• Never remove any fixed cover.

Do not disassemble.

Do not give the monitor any shock or impact.
If the monitor should be shocked and/or broken, it could result in an injury, and continued use could result in fire or electrical shock. If the glass panel is broken or damaged, immediately turn off the power switch, disconnect the power plug from the power outlet and contact your dealer.

Do not place the monitor on an unstable surface.
If the monitor should be dropped and/or broken, it could result in an injury, and continued use could result in fire or electrical shock.
• Do not place the monitor on an unstable, slant or vibrant surface such as a wobbly or inclined stand.

Do not obstruct the ventilation of the monitor.
If the ventilation is obstructed during the operation of the monitor or just after switching off the power, it could result in damage and shorten the lifespan of your monitor due to overheating. Make sure there is ample ventilation.
• Keep a space of 100mm (10cm) or more between the sides, rear and top of the monitor and other objects such as walls.
• Do not place anything around ventilation openings of the monitor.
• Never block ventilation openings.
• Do not put the plasma screen side up.
• Do not cover the monitor with a tablecloth, etc.
• Do not place the monitor on a carpet or bedding, or near a curtain.

Use only the correct power outlet.
Incorrect power supply could result in fire or electrical shock. Use only the correct power outlet depending on the indication on the monitor and the safety standard.
• The enclosed power cord must be used depending on the power outlet to be used.
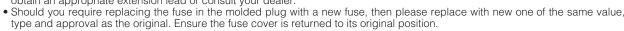
⚠ WARNING

Be cautious of the power cord connection.

Incorrect connection of the power cord could result in fire or electrical shock.
• Do not touch the power cord with a wet hand.
• Check that the connecting portion of the power cord is clean (with no dust), before using. Use a soft and dry cloth to clean the power plug.
• Insert the power plug into a power outlet firmly. Avoid using a loose, unsound outlet or contact failure.
• Do not cut off the fitted power plug, the removal of which could lead to impaired performance. If you wish to extend the lead, obtain an appropriate extension lead or consult your dealer.
• Should you require replacing the fuse in the molded plug with a new fuse, then please replace with new one of the same value, type and approval as the original. Ensure the fuse cover is returned to its original position.

Be sure to keep safety ground connection.

Connect the ground terminal of AC inlet of this monitor with the ground terminal provided at the power outlet using the enclosed power cord. If the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete outlet.

Be careful in handling the power cord and external connection cables.

If you keep using a damaged the power cord or cables, it can cause a fire or electrical shock. Do not apply too much heat, pressure or tension to the power cord and cables.
If the power cord or cables are damaged (exposed or broken core wires, etc.), contact your dealer.
• Do not place the monitor or heavy objects on the power cord and cables. Also, do not place a spread, cover, etc, over them because this could result in the inadvertent placing of heavy objects on the concealed power cord or cables.
• Do not pull the power cord and cables. When connecting and disconnecting the power cord or cables, do it with your hand holding the plug or connector.
• Do not place the cord near the heater.
• Do not touch the power plug just after disconnecting it from the power outlet to prevent electric shock.
• Do not touch the power plug when lightening is close to you.
• Avoid coiling the power cord and bending it sharply.
• Protect the power cord from being walked on, pinched particularly at plugs, conveniences receptacles, and the point where they exit from the apparatus.
• Do not modify the power cord.

Be careful in handling the battery of the remote control.

Incorrect handling of the battery could result in fire or personal injury. The battery may explode if not handled properly.
• Keep the battery away from children and pets. If swallowed consult a physician immediately for emergency treatment.
• Do not allow the battery to be exposed to fire or water.
• Avoid fire or high-temperature environment.
• Do not hold the battery with metallic tweezers.
• Keep the battery in a dark, cool and dry place.
• Do not short circuit the battery.
• Do not recharge, disassemble or solder the battery.
• Do not physically impact the battery.
• Use only the battery specified in the manual of this monitor.
• Make sure the plus and minus terminals are correctly aligned when loading the battery.
• If you observe a leakage of the battery, wipe out the liquid and then replace the battery. If the liquid adheres your body or clothes, rinse well with water.
• Obey the local laws on disposing the battery.

ENGLISH

Surely connect the ground wire.

SAFETY INSTRUCTIONS(continued)

⚠ CAUTION

Be careful in moving the monitor.
Neglect could result in an injury or damage.
• Do not move the monitor during use. Before moving, disconnect the power plug and all external connections.
• You are advised to move the monitor with two persons.
• Avoid any impact or shock to the monitor; particularly take care of glass screen.

Do not put anything on top of the monitor.
Placing anything on the monitor could result in loss of balance or falling, and cause an injury or damage. Use special caution in households where children are present.

Avoid a humid or dusty place.
Placing the monitor in a smoke, a highly humid, dusty place, oily soot or corrosive gas could result in fire or electrical shock.
• Do not place near the kitchen, a humidifier or other place where there is oil, smoke or humidity.

Avoid a high temperature environment.
The heat could have adverse influence on the monitor and other parts, and could result in transformation, melting or fire.
• Do not place the monitor, the remote control and other parts in direct sunlight or near a hot object such as heater, etc.
• Do not put the monitor in a place where the temperature is widely changing.

Remove the power cord for complete separation.
• For safety purposes, disconnect the power cord if the monitor is not to be used for prolonged periods of time.
• Before cleaning, turn off and unplug the monitor. Neglect could result in fire or electrical shock.

Disconnect the
plug from the
power outlet.

PRECAUTIONS

• Installation environment
Do not obstruct a ventilation hole.
Do not put the monitor on carpet or blanket, or near a curtain which has a possibility of obstructing a ventilation hole of the monitor.

Do not put the monitor in the following places.
• Hot places such as near heater, place exposed to the direct rays of the sun.
• A place where the temperature is widely changing.
• Places with soot, dust or high humidity.
• Poor air ventilation place.
• Place near fire.
• A wet place such as bathroom, or shower room.
• Place where you can trip over it.
• Always vibrating or strongly vibrating places.
• Distorted or unstable places.

• How to view the monitor
If you use the monitor in too dark a room, your eyes may become tired.
Please use it in a reasonably bright room.
Avoid direct rays of the sun to the screen in order to prevent eye fatigue.
Your eyes will get fatigued after viewing the monitor for long period of time.
Relax your eyes by viewing away from the monitor from time to time.
Please watch the monitor in downward direction.

• Note on image retention
The plasma monitor illuminates phosphor to display images. The phosphor has a finite illumination life. After extended periods of illumination, the brightness of the phosphor will be degraded to such extent that stationary images would burn-in that part of the screen as grayed-out images.
Tips to prevent such image retention are:
- Do not display images having sharp brightness differences or high-contrast images, such as monochrome characters and graphic patterns, for long.
- Do not leave stationary images appearing for long, but try to refresh them at appropriate intervals of time, or try to move them using screen saver function.
- Turn down the contrast and brightness controls.

• How to clean the plasma screen panel of the monitor
Before cleaning the monitor, turn off the monitor and disconnect the power plug from the power outlet.
To prevent scratching or damaging the plasma screen face, do not knock or rub the surface with sharp or hard objects. Clean the screen with a soft cloth moistened with warm water and dry with a soft cloth. If it is not enough, then use a cloth with mild detergent. Do not use harsh or abrasive cleaners.

• How to clean the cabinet of the monitor
Use a soft cloth to clean the cabinet and control panel of the monitor. When excessively soiled dilute a neutral detergent in water, wet and wring out the soft cloth and afterward wipe with a dry soft cloth.
Never use acid/alkaline detergent, alcoholic detergent, abrasive cleaner, powder soap, OA cleaner, car wax, glass cleaner, etc. especially because they would cause discoloration, scratches or cracks.

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• Prevention of an obstacle to Radio receivers
This monitor has been designed pursuant to the international EMI standards. This is to prevent a problem to Radio receivers.
- Keep the monitor away from Radio.
- Adjust Radio antennas in order for the monitor not to receive interference.
- The antenna cable of Radio should be kept away from the monitor.
- Use a coaxial cable for antenna.
You can check if this monitor influences Radio receivers by turning off all other equipment other than the monitor.
If you find a problem receiving Radio when using the monitor, check the instructions mentioned above.

• Precautions for the cable connection
- Do ensure that all connections, (including the power plug, extension leads and interconnections between the pieces of equipment), are properly made and in accordance with the manufacturers instructions. Switch off and withdraw the power plug before making or changing connections.
- Confirm the connector is fixed tightly when the signal cable is connected.
  Also confirm the screws on the connector are tightened.
- Plug the power cord of the monitor into a different socket from that for other equipment, such as Radio etc..
- Use a plug with ground terminal and make sure that it connects to the ground.

• Precaution during transportation
Please pay attention when you transport this monitor because it is heavy.
Furthermore, use the original carton box and its packaging materials when the monitor is transported.
Failure to transport the monitor in any carton except the original carton may result in damage to the monitor.
Save the original carton box and all packing material.

Do not physically impact the remote control.
A physical impact could cause damage or malfunction of the remote control.
• Take care not to drop the remote control.
• Do not place heavy objects on the remote control.

Avoid strong rays.
Any strong rays (such as direct sun rays or room lighting) onto the remote control sensors could invalidate the remote control.

Avoid radio interference.
Any interfering radiation could cause distorted images or noises.
• Avoid radio generator such as a mobile telephone, transceiver, etc. around the monitor.

Set the sound volume at a suitable level.
It is better to keep the volume level low and close the windows at night to protect the neighborhood environment.
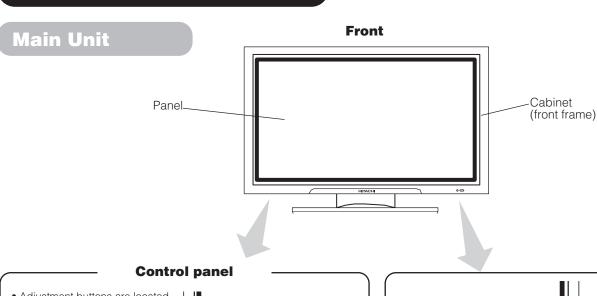
• Precautions for the installation
- Do not use makeshift stands and NEVER fix legs with wood screws - to ensure complete safety, always fit the manufacturers approved stand or legs with the fixings provided according to the instructions.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- This product is designed to comply with the recommended safety standards for tilt and stability. Do not apply excessive pulling force to the front, or top, of the cabinet that could cause the product to overturn resulting in product damage and/or personal injury.
- Follow instructions for wall, shelf or ceiling mounting as recommended by the manufacturer.
- Only use the attachments/accessories specified by the manufacturer.
- Consult your dealer if you are in any doubt about installation, operation or safety of your equipment.
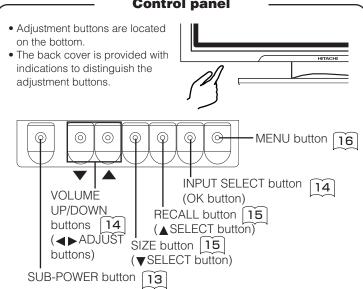
• Other precautions
- Do not leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a stand-by mode. Switch off using the switch on the equipment and show your family how to do this. Make special arrangements for infirm or handicapped people.
- Disposal of this product may require specific instructions pertaining to your resident region.
- Never guess or take any chances with electrical equipment of any kind - it is better to be safe than sorry!
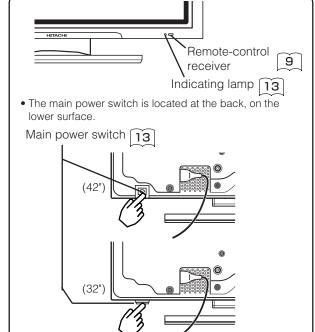
COMPONENT NAMES

Main Unit

Front

Panel

Cabinet (front frame)

HITACHI

Control panel

- Adjustment buttons are located on the bottom.
- The back cover is provided with indications to distinguish the adjustment buttons.

HITACHI

MENU button [16]

▼ ▲

VOLUME UP/DOWN buttons [14] (◀▶ADJUST buttons)

INPUT SELECT button [14] (OK button)

RECALL button [15] (▲SELECT button)

SIZE button [15] (▼SELECT button)

SUB-POWER button [13]

- ( ) indicates the function while the MENU is displayed on the screen.

HITACHI

Remote-control receiver [9]

Indicating lamp [13]

- The main power switch is located at the back, on the lower surface.

Main power switch [13]

(42")

(32")

Caution when moving the main unit

- As this product is heavy, whenever it is moved, two people are required to transport it safely.
- Whenever the unit is moved it should be lifted forwards using the two handgrips at the back, and the unit should then be held at the base on both sides for stability.

Handgrips

Rear

Handgrips

Handgrips

External speaker terminals [11]

External speaker terminals [11]

External device connection terminals

DIGITAL INPUT RGB 1 PC

ANALOG INPUT RGB 2 PC

AUDIO IN RGB 1 RGB 2

RGB input terminals [11]

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Remote control

ENGLISH

POWER OFF button 13

POWER ON button 13

MUTE button 14

RGB/VIDEO buttons 14

PinP button 34

AUTO button 16

MENU button 16

OK button 16

ID button 16

13 POWER ON/OFF button

14 VOLUME UP/DOWN buttons

15 SIZE button

15 RECALL button

16 RETURN button

16 SELECT/ADJUST buttons

16 ID SET button

Loading Batteries

1. Open the battery cover.
• Slide back and remove the battery cover in the direction of the arrow.

2. Load batteries.
• Load two Size AA batteries included observing the correct polarities.
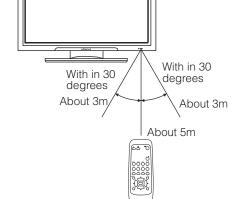
3. Close the battery cover.
• Replace the battery cover in the direction of the arrow and snap it back into place.

Handling the Remote Control

Use the remote control within about 5 m from front of the unit's remote-control sensor and within 30 degrees on both sides.

With in 30 degrees
With in 30 degrees
About 3m
About 3m
About 5m

⚠ CAUTION

• Do not use new and old batteries together. The batteries could explode or leak, resulting in fires, physical injury, or stains.
• When loading batteries, observe their correct polarities as marked on the product. If loaded in the wrong direction, the batteries could explode or leak, resulting in fires, physical injury, or stains.

ATTENTION

• Do not drop or impact the remote control.
• Do not splash the remote control with water or put it on a wet object to avoid possible failures.
• Before leaving the remote control out of use for an extended period of time, remove the batteries from it.
• If the remote control begins to lack responsiveness, replace the batteries.
• Strong light such as direct sunlight impinging on the photoreceptor of the remote control can cause operational failure. Position this unit to avoid direct contact with such light.

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INSTALLATION INSTRUCTIONS

Installation

• If you have purchased the model without the stand attached:
  When installing the monitor, use the optional Desk-top Stand (CMPAD23/25).
  The Desk-top Stand has been used for the illustrations in this manual.

⚠ WARNING

Use one of the special mount units to install this product. A mount of insufficient strength or inadequate design can cause overturning or dropping and result in fire, electrical shock or injury. Please note that our company assumes absolutely no responsibility for personal injuries or property damage caused by use of other mount units or improper installation.

⚠ CAUTION

10cm (4 inches) or more※

• Installation of the wall mount unit and ceiling mount unit can be dangerous, so do not attempt this work yourself. Ask your dealer to provide the name of a qualified installer.

• In order to prevent an internal temperature increase, maintain a space of 10cm (4 inches : For a desktop set-up) or more between the sides and other objects such as walls, etc., so that the ventilation holes are not blocked.(※)

Clamp

Cord or chain
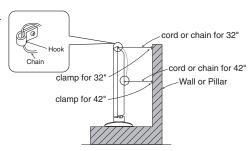
Anti-tumble measures

⚠ CAUTION

Have this unit mounted in a stable place. Take measures to prevent it from tumbling down to avoid possible physical injury.
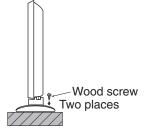
Securing to a wall or pillar
Using a commercially available cord, chain and clamp, secure the set to a firm wall or pillar.

Hook
Chain
cord or chain for 32"
cord or chain for 42"
clamp for 32"
clamp for 42"
Wall or Pillar

Securing desktop
1) Using wood screws (two), fasten the set to the clamping screw holes on the rear of the stand as shown.

2) Using commercially available wood screws, secure the set firmly in position.

Wood screw
Two places

10
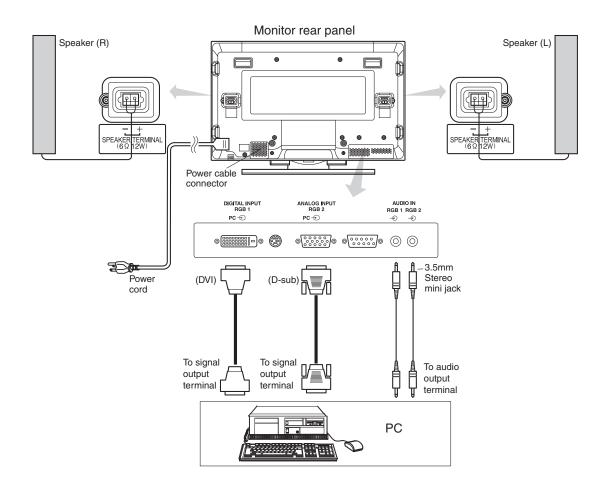
Read SAFETY INSTRUCTIONS (4 to 7) carefully to ensure maximum safety before proceeding to these steps:
• **Choose an appropriate site and install the product on a level table where the stand is secure.**
  • Install the monitor to have ready access to a power socket available.
• **Make sure that the power switch of this device is turned off.**

Connecting to a PC

(1) Make sure that the display signal of the personal computer to be used is compatible with the specifications of this device.
  • See "Product Specifications" concerning the specifications of this device. 27 ~ 29
(2) Make sure that the power switch of the personal computer is turned off.
(3) Connect the signal input terminal (RGB 1 or RGB 2) on the rear panel of this device to the display signal output terminal of the personal computer.
  • Use a cable that fits the input terminal of this device and the output terminal of the personal computer.
  • Depending on the type of personal computer being connected, the use of an optional conversion adapter or the adapter provided with the personal computer may be necessary in some cases. For details, refer to the instruction manual of the personal computer or ask the personal computer manufacturer or your local retail dealer.

Monitor rear panel

Speaker (R)

Speaker (L)

SPEAKER TERMINAL
(6Ω 12W)

SPEAKER TERMINAL
(6Ω 12W)

Power cable connector

DIGITAL INPUT
RGB 1
PC

ANALOG INPUT
RGB 2
PC

AUDIO IN
RGB 1 RGB 2

Power cord

(DVI)

(D-sub)

3.5mm Stereo mini jack

To signal output terminal

To signal output terminal

To audio output terminal

PC

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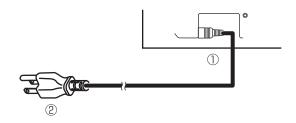
INSTALLATION INSTRUCTIONS (continued)

Mounting the Speaker Unit (option)

Refer to the instruction manual concerning mounting of the optional speaker unit.

Power Cord Connection

Connect the power cord, after completing all other connections.
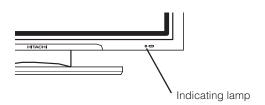
① **Connect the power cord to this device.**
② **Connect the power cord plug to the power outlet.**
　(The type of plug is different from this drawing for some countries.)
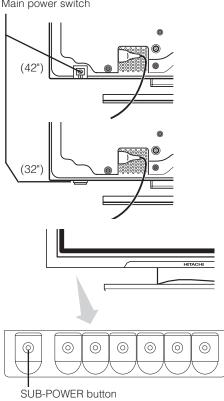
⚠ CAUTION
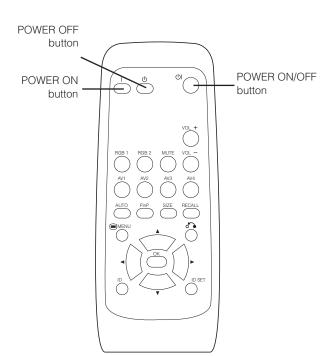
• Use only the power cord provided.
• Do not use a power supply voltage other than that indicated (AC100-240V, 50/60Hz) as this may cause fire or electric shock.

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OPERATING INSTRUCTIONS

Indicating lamp

Main power switch

(42")

(32")

SUB-POWER button

POWER OFF
button

POWER ON
button

POWER ON/OFF
button

Turning Power On and Off

· **To turn the monitor power ON, press the main power switch on the monitor main unit to ON, and then press the SUB POWER button or the ON/OFF or ON button on the remote control.**
· **To turn the monitor power OFF, press the SUB POWER button or the ON/OFF or OFF button on the remote control, and then press the main power switch on the monitor main unit to OFF.**
 · During normal use, the main power switch is set in the ON position, and the monitor can then be turned ON/OFF using the SUB POWER button or the ON/OFF button on the remote control.

Indicating lamp
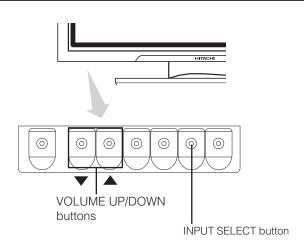
Indicating lamp	Power status	Operating
Off	Off	When the main power switch is set to OFF.
Lights red	Off (standby)	When the main power switch is ON, and the OFF button on the remote control or the SUB POWER button on the underside of the front of the frame is OFF.
Lights green	On	When the main power switch is ON, and the ON button on the remote control or the SUB POWER button on the underside of the front of the frame is ON.
Lights orange	Off (Power Save)	When the main power switch is ON, and the ON button on the remote control or the SUB POWER button on the underside of the front of the frame is ON. However, the state in POWER SAVE mode
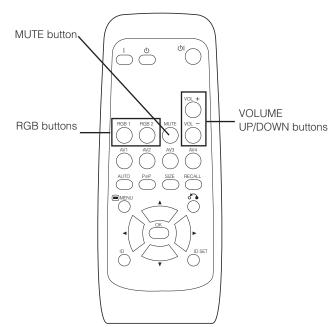
When the indicating lamp lights in orange or the message "No Sync. Signal", "Power Save" or "Invalid Scan Freq." appears on the screen, there is something unusual about the status of reception. See "Power Save Mode" or "Symptoms That Seemingly Appear to be Failures." 22 24

ATTENTION
• Avoid repeatedly turning the monitor on and off at short time intervals. Failures might result from such operation.
• Turn off the main power switch before leaving the monitor out of use for an extended period of time.
• If a power failure occurs while the main unit is running, it would be powered on upon recovery from the failure. Turn off the unit main power switch before leaving the main unit.

OPERATING INSTRUCTIONS (continued)

VOLUME UP/DOWN buttons

INPUT SELECT button

MUTE button

RGB buttons

VOLUME UP/DOWN buttons

Volume Adjustment

The volume can be adjusted by pressing the VOL+ and VOL- buttons of the remote control (or the ▲ and ▼ volume buttons of the monitor unit).

Volume setting value

Volume 15
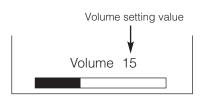
Adjustment status guide display

• **When a button is pressed, the volume adjustment status guide will be displayed.**
  • The volume will increase when the VOL+ (or ▲) button is pressed while the guide is being displayed.
  • The volume will decrease when the VOL- (or ▼) button is pressed while the guide is being displayed.

Audio Mute
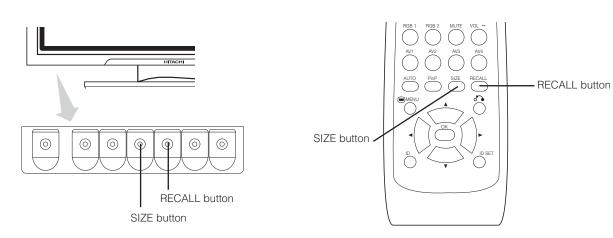
The audio volume can be temporarily mute by pressing the MUTE button of the remote control.

Volume setting value

Volume 15

Adjustment status guide display
(The display color will change to magenta.)

• **When a button is pressed, the volume adjustment status guide (magenta) will be displayed.**
  • The volume setting can be lowered by pressing the VOL- button while the audio is mute.
  • The muting can be cancelled by pressing the VOL+ button or MUTE button while the audio is mute.

When the MUTE button of the remote control is pressed again, the audio will be restored and the volume display (green) will appear.

Input Switching

• **Input can be switched by pressing the RGB1, RGB2, buttons of the remote control.**

• **Input can be switched in the sequence of RGB1 → RGB2 by pressing the INPUT SELECT button of the monitor.**

RGB1 ⟶ RGB2

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RECALL button

SIZE button

RECALL button

SIZE button

Size Switching

Each time the SIZE button of the remote control or the monitor is pressed, the screen display area will change in sequence and the status will be displayed at the bottom of the screen.

Normal → Full → Zoom1 → Zoom2 → Zoom3 → Real* → (Normal)

* Real mode gives the image of the same shape as it is displayed on a computer monitor.
  This mode is only available for VGA (640 X 480) and WVGA (864 X 480).

Display area selection diagram (RGB input)
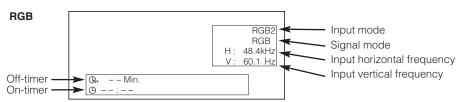
Resolution	Full display	Circular display				
Display	Full	Normal	Real	Zoom1	Zoom2	Zoom3
640 X 480 (VGA)						
800 X 600 (SVGA)						
1024 X 768 (XGA)						
1280 X 1024 (SXGA)						
1600 X 1200 (UXGA)		* VGA and W-VGA only				

Processes such as compression (thinning) and expansion are performed for the above signal display. Because of this, there is a possibility that flicker may become noticeable on Zoom (1 ~ 3) depending on the display contents. If this occurs, turning the Vertical Filter On [20] can reduce the flicker.

Input Signal Screen Display

The input signal status can be displayed on the screen by pressing the RECALL button of the remote control or the monitor.

・The display will go out in approximately 6 seconds.

RGB

RGB2 ← Input mode
RGB ← Signal mode
H : 48.4kHz ← Input horizontal frequency
V : 60.1 Hz ← Input vertical frequency

Off-timer → – – Min.
On-timer → – – : – –

OPERATING INSTRUCTIONS (continued)

VOL +

RGB 1   RGB 2   MUTE   VOL −

AV1   AV2   AV3   AV4

AUTO button

MENU button

ID button

AUTO   PinP   SIZE   RECALL

MENU

OK

ID   ID SET

RETURN buttons

SELECT/ADJUST buttons

OK button

ID SET button

Automatic Adjustment of Screen Position and the Clock

Adjustment of the screen to a position suitable for the PC signal and the clock adjustment can be performed automatically by pressing the AUTO button of the remote control.
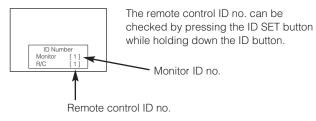
⚠ CAUTION

Perform this adjustment for each input (RGB1 or RGB2) and for each signal.

* Depending on the signal, satisfactory adjustment may not be possible in some cases. In such case, adjust by referring to the Setup Menu item.

Independent Operation of Multiple Monitors (ID No)

Setting the ID No. of the remote control allows separate control of up to a maximum of seven monitors.
Remote control ID No. 2 (initially ID no. 1) can be set by pressing the ID SET button for 2 sec. or more while holding down the ID button. The number will be incremented (2···6→7→1→2) when this button pressed continuously.

ID Number
Monitor   [1]
R/C   [1]

The remote control ID no. can be checked by pressing the ID SET button while holding down the ID button.

Monitor ID no.

Remote control ID no.

The ID remote control is operated by pressing the various buttons while holding down the ID button; Operation is possible only when the remote control and monitor ID nos. are the same.
• The remote control can be operated normally by pressing the various remote control buttons without holding down the ID button.
• Set the monitor using the ID No. of Function MENU. 19

Using the Menu Screen (On-screen display system)
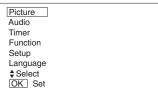
When the MENU button is pressed, the adjustment menu screen will be displayed; from there, PC signal adjustment and setting is possible by using the SELECT button, ADJUST button and OK button.
• Refer to 17 - 21 concerning the adjustment items and the settings.

Example: Selecting the Picture screen
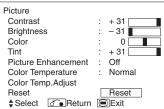
1. Press the MENU button to display the Main Menu screen.

MENU

Picture
Audio
Timer
Function
Setup
Language
↕ Select
OK Set
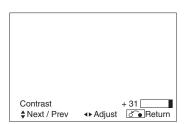
2. Press the OK button to display the Picture Menu screen. (Use the ▲ and ▼ SELECT buttons to select other items.)

OK

Picture
Contrast   : + 31
Brightness   : − 31
Color   :   0
Tint   : + 31
Picture Enhancement : Off
Color Temperature : Normal
Color Temp.Adjust
Reset   Reset
↕ Select   Return   Exit
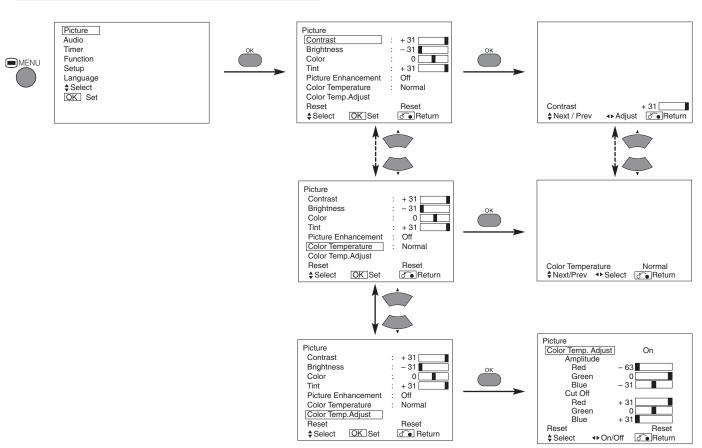
3. Use the ▲ and ▼ SELECT buttons to select the item to be adjusted and then use the ◄ and ► ADJUST buttons to adjust (example: Contrast).

Contrast   + 31
↕ Next / Prev   ◄► Adjust   Return

• Press the RETURN button to return to the previous screen.
• If there is no operation for a period of one minute, the Adjustment Menu screen will be closed automatically.

PICTURE MENU

Picture
Audio
Timer
Function
Setup
Language
◆ Select
OK Set

■MENU

OK →

Picture
Contrast   : + 31
Brightness   : − 31
Color   :   0
Tint   : + 31
Picture Enhancement : Off
Color Temperature : Normal
Color Temp.Adjust
Reset   Reset
◆ Select   OK Set   Return

OK →

Contrast   + 31
◆ Next / Prev   ◄► Adjust   Return

Picture
Contrast   : + 31
Brightness   : − 31
Color   :   0
Tint   : + 31
Picture Enhancement : Off
Color Temperature : Normal
Color Temp.Adjust
Reset   Reset
◆ Select   OK Set   Return

OK →

Color Temperature   Normal
◆ Next/Prev   ◄► Select   Return

Picture
Contrast   : + 31
Brightness   : − 31
Color   :   0
Tint   : + 31
Picture Enhancement : Off
Color Temperature : Normal
Color Temp.Adjust
Reset   Reset
◆ Select   OK Set   Return

OK →

Picture
Color Temp. Adjust   On
    Amplitude
      Red   − 63
      Green   0
      Blue   − 31
    Cut Off
      Red   + 31
      Green   0
      Blue   + 31
Reset   Reset
◆ Select   ◄► On/Off   Return

Selected characters		◄	►	Setup hint
Contrast		Narrows the gap between brightness and darkness.	Broadens the gap between brightness and darkness.	Adjust for maximum visibility to suit the ambient brightness. This can adjust further till [+40] by pressing and holding ► cursor button at [+31]. The color for [+32] to [+40] numbers will change from white to magenta. This special mode is better for dark scenes. For brighter scene some parts of the picture might not be clear. We recommend to set at [+31]. "Panel Life" in the Function Menu should be set to Normal when Contrast setting is adjusted.
Brightness		Black is subdued for increased overall darkness.	Black is set off for increased overall brightness.	Adjust to taste.
Color		Darkens colors.	Lightens colors.	Adjust to taste.
Tint		Enhances red and weakens green.	Enhances green and weakens red.	This is not available to adjust when receiving PAL/SECAM signal. In this case the character will be grayed out. Adjust for most realistic skin color.
Picture Enhancement		Off ◄► Low ◄► Middle ◄► High		Sets the clarity of small details to the desired level.
Color Temperature		Cool ◄► Normal ◄► Warm ◄► Black / White		Normally set to Normal.
Color Temp. Adjustment		Off ◄► On		Turn On when you wish to change color temperature is required to adjust depending on the user's preference.
Amplitude	Red	Brighter scene is decreased in reddish color.	Brighter scene is increased in reddish color.	Adjust color temperature depending on the user's preference. These settings are independently stored in each of the 4 Color Temperature modes.
	Green	Brighter scene is decreased in greenish color.	Brighter scene is increased in greenish color.	
	Blue	Brighter scene is decreased in bluish color.	Brighter scene is increased in bluish color.	
Cut Off	Red	Dark scene is decreased in reddish color.	Dark scene is increased in reddish color.	
	Green	Dark scene is decreased in greenish color.	Dark scene is increased in greenish color.	
	Blue	Dark scene is decreased in bluish color.	Dark scene is increased in bluish color.	
Reset		(off the function)	(waiting to reset)	The original factory settings for the items of this Menu page can be restored by pressing the OK button.

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OPERATING INSTRUCTIONS (continued)

AUDIO MENU

			Picture

MENU →

```
Picture
Audio
Timer
Function
Setup
Language
◆ Select
OK  Set
```

OK →

```
Audio
Audio Mode      : Movie
Treble          : + 10
Bass            : − 10
Balance         :    0 L        R
SRS TruBass     : Middle
Matrix Surround : Off
Perfect Volume  : Off
Reset                   Reset
◆ Select   ◂▸Set   Return
```
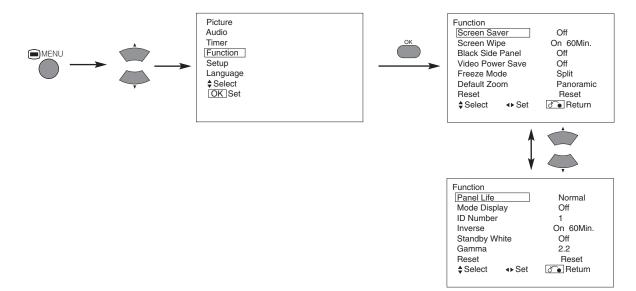
Selected characters	◀	▶	Setup hint
Audio Mode	Movie ←→ Music ←→ Speech ←→ Favorite		Movie: This selects the audio suitable for Movie. Music: This selects the audio suitable for Music. Speech: This selects the audio suitable for News, Talk show etc. Favorite: This mode should be adjusted depending on user's preference.
Treble	Suppresses treble.	Enhances treble.	Adjust to taste.
Bass	Suppresses bass.	Enhances bass.	Adjust to taste.
Balance	Suppresses right-side sound.	Suppresses left-side sound.	Adjust to taste.
SRS TruBass	Off ←→ Low ←→ Middle ←→ High		SRS TruBass takes advance of the ability of the human ear to be able to distinguish between two different tones. By using this ability, TruBass gives enhanced bass sound that otherwise would not be heard. Adjust it depending on the user's preference.
Matrix Surround	Off ←→ On		This features the spacious sound effects of a stadium.
Perfect Volume	Off ←→ On		This will automatically adjust volume so each channel and input has the same average volume level.
Reset	(off the function)	(waiting to reset)	The original factory settings for the items of this Menu page can be restored by pressing the OK button.

TIMER MENU

MENU →

```
Picture
Audio
Timer
Function
Setup
Language
◆ Select
OK Set
```

OK →

```
Timer
Off Timer           :   30Min.
On Timer            : - - : - -
◆ Select   ◂▸Adjust   Return
```

Selected characters	◀	▶	Setup hint
Off Timer	--Min. ←→ 30Min. ←→ 60Min. ↳120Min. ←→ 90Min.↲		This function automatically sets the power to standby status when the indicated time period has elapsed.
On Timer	- - (: - -) hours	(- - :)- - minutes	This automatically sets the power from standby to ON when the indicated time period has elapsed. The settable time is 00:00~11:59. Input the required time by ▼ ▲ SELECT buttons on the remote control.

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FUNCTION MENU

MENU

Picture
Audio
Timer
Function
Setup
Language
Select
OK Set

OK

Function
Screen Saver   Off
Screen Wipe   On 60Min.
Black Side Panel   Off
Video Power Save   Off
Freeze Mode   Split
Default Zoom   Panoramic
Reset   Reset
Select   Set   Return

Function
Panel Life   Normal
Mode Display   Off
ID Number   1
Inverse   On 60Min.
Standby White   Off
Gamma   2.2
Reset   Reset
Select   Set   Return
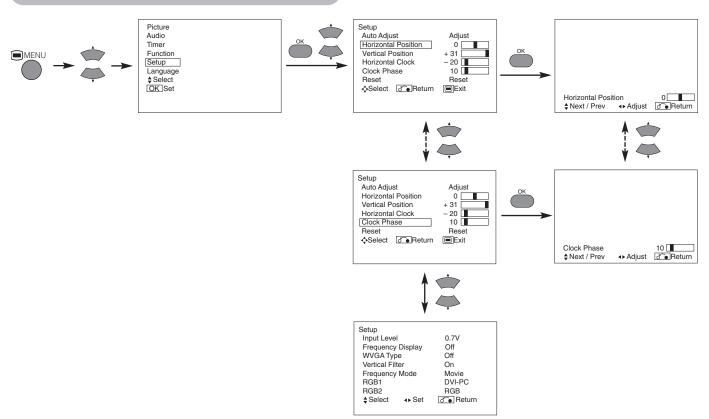
Selected characters	◀	▶	Setup hint
Screen Saver	Off ↔ 5Min. ↔ 10Min. / 60Min. ↔ 40Min. ↔ 20Min.		This moves the picture around the screen in small amounts, at set intervals, to reduce the panel image retention. This is where stationary objects, such as screen logos, leave a slight image visible after they should have disappeared.
Screen Wipe	On	60Min.	This is used to reduce the panel image retention that can occur with stationary pictures by the white field signal. Select On (continuous operation) or 60 Min. (time limit operation) and press the OK button. Press the MENU or RETURN button on the remote control to return to normal viewing.
Black Side Panel	Off ↔ On		This turns the gray sidebars On/Off when watching normal mode screen size area. It is always set to Off when the monitor powered On. It is recommended to set to Off to reduce the panel image retention.
Video Power Save	Optional (grayed out)		
Freeze Mode	Optional (grayed out)		
Default Zoom	Optional (grayed out)		
Reset	(off the function)	(waiting to reset)	The original factory settings for the items of this Menu page can be restored by pressing the OK button.
Panel Life	Normal ↔ Extend 1 ↔ Extend 2		This function is to suppress the contrast of the screen regardless of the Contrast setting in the Picture Menu. By this control, power consumption can be reduced or degradation of a panel can be mitigated. The order of power consumption is Extend 2 < Extend 1 < Normal. If the Contrast setting is changed when this item is set to Extend 1 or 2, it will be changed to Normal automatically.
Mode Display	Off ↔ On		This can display the Input Signal Screen Display every time the input mode and signal mode are changed. Set to OFF if the Input Signal Screen Display is not needed when switching signals.
ID Number	1 ↔ 2 ↔ 3 ↔ 4 / 7 ↔ 6 ↔ 5		Assigns ID nos. to the monitors so that they can be controlled individually (up to 7 monitors can be controlled).
Inverse	On	60Min.	This function can change each level of RGB signal invert to reduce the panel image retention. When this function is required to use, select On (continuous operation) or 60Min. (time limit operation) and press the OK button. And press the Menu or Return button to exit.
Standby White	Off ↔ 15Min. ↔ 30Min. / 120Min. ↔ 60Min.		This function is also provided against the image retention. If time is set for this item, the screen changes into the white pattern when the monitor enters power save mode, and it will continue for the period of setting time.
Gamma	2.2 ↔ 2.8		Normally set to 2.2.

OPERATING INSTRUCTIONS (continued)
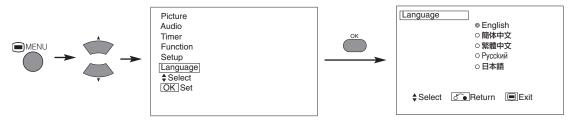
SETUP MENU

Selected characters	◀	▶	Setup hint
Auto Adjust*	(Menu)	Adjust Pressing the OK button here, Automatic regulation is started.	Horizontal Position, Vertical Position, Horizontal Clock and Clock Phase are adjusted automatically.
Horizontal Position	Moves the horizontal position to left.	Moves the horizontal position to right.	Adjust the left-side display position. (This function is only for RGB2. It's not available (grayed out) for RGB1.)
Vertical Position	Moves down the vertical position.	Moves up the vertical position.	Adjust the vertical display position. (This function is only for RGB2. It's not available (grayed out) for RGB1.)
Horizontal Clock	Reduces the dot clock frequency (shrinks the right side).	Increases the dot clock frequency (expands the right side).	Adjust for maximum character clarity. (This function is only for RGB2. It's not available (grayed out) for RGB1.)
Clock Phase	Slows the dot clock phase (shifts slightly to left).	Advances the dot clock phase (shifts slightly to right).	Adjust for clear character visibility. (This function is only for RGB2. It's not available (grayed out) for RGB1.)
Reset	(off the function)	(waiting to reset)	The original factory settings for the items of this Menu page can be restored by pressing the OK button. (This is effective only for RGB2.)
Input Level	0.7V ◀▶ 1.0V		Normally set to 0.7 V. If white is found to spread across the screen, set to 1.0 V. (This is effective only for RGB2.)
Frequency Display	Off ◀▶ On		Set this to Off if the frequency information of the Input Signal Screen Display is not required.
WVGA Type	Off ◀▶ On		This is only available for W-VGA signal. When it is set to On, the display area mode can be selected Full or Real.
Vertical Filter	Off ◀▶ On		Turn On when concerned about screen flicker.
Frequency Mode	Movie ◀▶ PC		Set to Movie when viewing moving images on a personal computer.
RGB1	Optional (grayed out)		
RGB2	Optional (grayed out)		

* Depending on the type of signal displayed, displays may not be optimized through automatic adjustment. Adjust manually to optimize them.

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LANGUAGE MENU

```
MENU  →  ▲▼  →   Picture
                  Audio
                  Timer
                  Function
                  Setup
                  Language
                  ♦ Select
                  OK Set
```

OK →

```
Language
                ◉ English
                ○ 簡体中文
                ○ 繁體中文
                ○ Русский
                ○ 日本語

♦ Select   Return   Exit
```

Select a language by ▼ ▲ SELECT buttons and press the OK button.

OTHER FEATURES

Automatic Store

Approximately 1 sec. after adjustment is completed, the adjustments will be recorded as shown in the table below.

Menu	Display	Registration condition
Picture	Contrast	For every input function, 1 setting is registered.
	Brightness	
	Color	
	Tint	
	Picture Enhancement	
	Color temperature	
	Color Temp. Adjust	
	R Amplitude	For every Color Temperature, 1 setting is registered.
	G Amplitude	
	B Amplitude	
	R Cut Off	
	G Cut Off	
	B Cut Off	
Audio	Audio Mode	1 setting is registered.
	Treble	For every Audio Mode, 1 setting is registered.
	Bass	
	Balance	1 setting is registered.
	SRS TruBass	For every Audio Mode, 1 setting is registered.
	Matrix Surround	
	Perfect Volume	

Menu	Display	Registration condition
Function	Screen Saver	1 setting is registered.
	Screen Wipe	(not registered)
	Black Side Panel	(not registered)
	Panel Life	1 setting is registered.
	Mode Display	
	ID Number	
	Inverse	
	Standby White	
	Gamma	
Setup	Auto Adjust	(not registered)
	Horizontal Position	For every signal Mode, 1 setting is registered. (Only for RGB2)
	Vertical Position	
	Horizontal Clock	
	Clock Phase	
	Input Level	1 setting is registered.
	Frequency Display	
	WVGA Type	
	Vertical Filter	
	Frequency Mode	
Language		1 setting is registered.
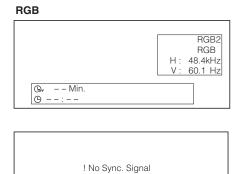
• The previously recorded items will be lost.
• The signal mode can be identified by the horizontal/vertical sync frequency and the sync signal polarity. Different signals with which all the elements are the same or similar will be handled as the same signal.

OTHER FEATURES (continued)

Signal Check

Changes in the signal status are displayed on the screen as they arise.

Status	Display	Action
When Mode Display is set to ON, the input signal is switched or when the RECALL button is pressed.	A guide is displayed for the input terminal and the horizontal and vertical sync frequency.	
When the sync signal is no longer detected.	• A guide displays No Sync. Signal, and Power Save (for approx. 5 sec.) • When the condition continues where the sync signal cannot be detected, indicator lamp of power source changes in orange and the mode switches to power save mode.	Recheck the personal computer power switch status and the connection status.
When the input signal does not match the monitor specifications or is in an unstable status.	A guide displays Invalid Scan Freq.	Recheck the input signal specifications. $\boxed{27}$ ~ $\boxed{29}$

RGB

```
                              RGB2
                              RGB
                     H :  48.4kHz
                     V :  60.1 Hz
  ⏱ₒₙ  – – Min.
  🕐  – – : – –
```

```
              ! No Sync. Signal
```

```
              ! Invalid Scan Freq.
```

Power Save Mode

When the RGB1, RGB2 input is selected
• When this unit is connected to a VESA DPMS computer, the Power Save (Off) mode can be set to be activated automatically when the computer is not being used to reduce power consumption by this unit.

RGB sync signal	Horizontal	Yes	No	Yes	No
	Vertical	Yes	Yes	No	No
PC signal		Active (normal display)	Blank (no display)		
Operation mode		On	Off		
Indicating lamp		Lights green	Lights orange		
Power consumption		255W (32") 365W (42")	3W or less (RGB1) 1W or less (RGB2 ; 100V≦AC≦120V) 3W or less (RGB2 ; 120V<AC≦240V)		

Returning to operating status
• Operate the personal computer, or press either the INPUT SELECT button of the main unit or the RGB1/RGB2 buttons of the remote control.
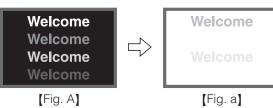
IMAGE RETENTION OF PLASMA DISPLAY

There are different characteristics that result in panel image retention depending on how the plasma display is used. Situations and effective usage methods related to ghosting are provided below.

Image retention characteristics of a plasma display
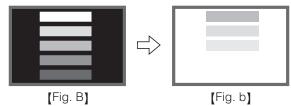
The image retention phenomenon of a plasma panel occurs due to partial phosphor degradation arising from partial character and figure display.

For example, when the character image as shown in Fig. A at the right is continuously displayed for a long period of time, the only part of the phosphor (Red,Green, Blue) that will degrade will be the color of the applicable character display portion. Consequently, when a white image is displayed on the entire screen as shown in Fig. a, the character marks displayed up to that time will become a color difference visible to the eye, but the phosphor will never burn.

【Fig. A】　　【Fig. a】

■The degree of image retention is proportional to the brightness of the characters and figures displayed as well as the display time.

• The tendency of the phosphor is to degrade more the brighter the characters and figures are displayed. When images of figures with different levels of brightness, as shown in Fig. B, are continuously displayed for a long period of time, it becomes easier for image marks at locations when the brighter figures are displayed to be noticeable.

【Fig. B】　　【Fig. b】

* The image retention images in this document are exaggerated for the purpose of explanation. The actual manner in which the image retention is seen differs depending on the operation time and brightness.

Methods to Reduce the Occurrence of Image Retention

• Lower the Contrast and Brightness settings of the plasma display as much as possible.
A function is provided in the display that controls the brightness of the screen to reduce degradation of the panel. Using this function makes it possible to reduce image retention.
(Refer to Panel Life (Extend 1.or Extend 2 shown on ⌊19⌋)

• Set the plasma monitor to an "Screen Wipe" or "Inverse" display.
The occurrence of image retention when displaying images of identical patterns, such as static images, for long periods of time can be reduced by displaying a reversed color or completely white screen for about 1 ~ 2 hours after terminating the display.
(Settings can be made using Screen Wipe and Inverse of Function MENU shown on ⌊19⌋)

• Using in combination with moving images
Since the degradation of the fluorescent material progresses comparatively uniform for moving images, the occurrence of partial image retention can be controlled. We recommend to use in combination with moving images such as a DVD.
* Please be careful since image retention will occur if display is left in a two screen display state for a long period of time.
* Television broadcasts include images displayed for long periods of time in which the left and right or top and bottom of the image are cut and broadcast station name or time are displayed for a long period of time at the same portion of the screen. Image retention in these portions can be expected to occur, so please be aware.

NOTES

About screen defects

• High precision technology is used in the making of plasma panels but there may be dark spots (points that do not illuminate) and bright spots (points that are too bright) in some cases. These do not indicate a malfunction.

About residual images

• In some cases, residual images may remain after the short-term display of still images and another image is displayed, but these will disappear and return to normalcy. This is not a malfunction.

About the panel screen

• Plasma displays display images by means of electrical discharges inside the panel. Because of this, the temperature of the panel surface may rise in some cases.Also, plasma displays are made of finely processed glass. A reinforced glass filter is installed over the panel surface but avoid strong impact because there is still danger of glass breakage.

TROUBLESHOOTING

Symptoms That Seemingly Appear to be Failures

Make the checks suggested below depending on the symptoms observed. If the symptoms remain uncorrected, contact your dealer.

⚠ WARNING

Customer servicing can be hazardous.
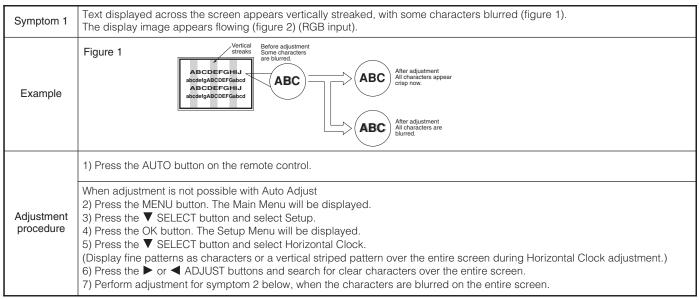
Symptom		Point to check	See page
• No picture with the power-indicating lamp off.		• Check the way the power cable is connected. • Press the power switch.	12 13
• The message "No Sync. Signal" or "Power Save" is displayed. • No picture with the power indicating lamp lights in orange.	! No Sync. Signal	No sync signal is detected. • Check the way the signal cable is connected. • Make sure that the switch of the computer, imaging equipment , etc., is turned on. • Make sure the computer is not in the power-save mode. • Check to see if the input selection matches the connection terminal.	11
• The message "Invalid Scan Freq." is displayed.	! Invalid Scan Freq.	An input signal is not received normally. • Check to see if the input signal matches the monitor specifications. • Check the way the signal cable is connected.	11 28 29
• The power indicating lamp is normally lit but no picture .		• Check the contrast and brightness settings (adjust them for higher contrast and brightness). • Check the way the signal cable is connected.	11 17
• The display image appears flowing slantwise. • Text displayed across the screen appears vertically streaked, with the characters in vertical columns blurred.		• Adjust the dot clock frequency and phase. (Adjust the dot clock frequency first, the dot clock phase next.) (RGB input)	20 26
• Text displayed across the screen appears blurred. • A fine pattern flickers when displayed on the screen.	A	• Adjust the dot clock phase for the clearest viewing. (RGB input)	20 26
• The remote control does not work.		• Check to see if the batteries are loaded in the remote control in opposite direction. • Check to see if the batteries in the remote control are OK.	9

24

Symptom	Point to check	See page
• The temperature of the display panel surface is high.	• The plasma display panel is lighting the phosphors by the discharge of internal radiation. In some cases, this may cause the temperature of the panel surface to increase. Please note that this is not a malfunction.	-
• There are locations on the screen that are different from the periphery (*). *Points that do not light, points with brightness different from that of the periphery, points with color different from that of the periphery, etc.	• High-precision technology is used to manufacture the plasma display panel, However in some cases, there are minor defects in some parts of the screen. Please note that this is not a malfunction.	-
• Vertical stripes appear, depending on the screen contents.	• The plasma display panel is lighting the phosphors by the discharge of internal radiation. Depending on the screen contents, in rare cases this may cause vertical stripes to appear because of failure to light. Please note that this is not a malfunction.	-
• Coarse horizontal stripes appear in FULL display.	• Adjusting the Clock Phase will reduce the horizontal stripes. (RGB input)	20
• Flickering in the form of horizontal lines oscillating up and down. (PC INPUT MODE only)	• If the direct frequency from the computer is below 85Hz, try a higher frequency (upper limit 85Hz). There may be a slight attenuation of the current image. • Try turning the Vertical Filter On. For this case however, the vertical resolution will drop.	20
• The fan motor is noisy. (Fan application model only)	• Use the fan that controls the temperature in the main body to lower the temperature of this unit. If the ambient air temperature increases, the fan will start, the RPMs will increase and motor noise will grow louder. This is not a malfunction though.	-
• The top of the monitor heats up.	• When used for long periods of time, the top of the monitor may heat up. This is not a malfunction.	-
• Text characters are displayed with varying thicknesses.	• The thicknesses of characters and lines may vary if images with a vertical resolution greater than 512 lines are displayed; however, this is not a malfunction.	-
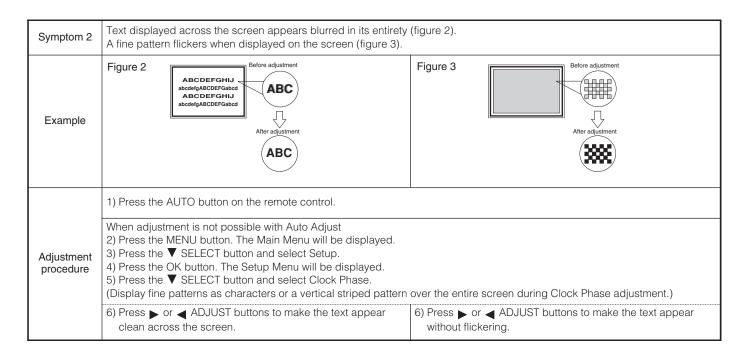
TROUBLESHOOTING (continued)

Actions to Correct Abnormal Displays

Depending on the kind of system equipment used, images may not be displayed normally. In this case, make the adjustments suggested below. (only for RGB2)

Symptom 1	Text displayed across the screen appears vertically streaked, with some characters blurred (figure 1). The display image appears flowing (figure 2) (RGB input).
Example	
Adjustment procedure	1) Press the AUTO button on the remote control.
	When adjustment is not possible with Auto Adjust 2) Press the MENU button. The Main Menu will be displayed. 3) Press the ▼ SELECT button and select Setup. 4) Press the OK button. The Setup Menu will be displayed. 5) Press the ▼ SELECT button and select Horizontal Clock. (Display fine patterns as characters or a vertical striped pattern over the entire screen during Horizontal Clock adjustment.) 6) Press the ▶ or ◀ ADJUST buttons and search for clear characters over the entire screen. 7) Perform adjustment for symptom 2 below, when the characters are blurred on the entire screen.

• The display image may be momentarily disturbed during clock adjustment but this is not a failure.

Symptom 2	Text displayed across the screen appears blurred in its entirety (figure 2). A fine pattern flickers when displayed on the screen (figure 3).	
Example		
Adjustment procedure	1) Press the AUTO button on the remote control.	
	When adjustment is not possible with Auto Adjust 2) Press the MENU button. The Main Menu will be displayed. 3) Press the ▼ SELECT button and select Setup. 4) Press the OK button. The Setup Menu will be displayed. 5) Press the ▼ SELECT button and select Clock Phase. (Display fine patterns as characters or a vertical striped pattern over the entire screen during Clock Phase adjustment.)	
	6) Press ▶ or ◀ ADJUST buttons to make the text appear clean across the screen.	6) Press ▶ or ◀ ADJUST buttons to make the text appear without flickering.

PRODUCT SPECIFICATIONS

Product specifications and designs are subject to change without notice.

Panel	Display dimensions	Approx. 32 inches (716 (H) x 399 (V) mm, diagonal 820mm)	Approx. 42 inches (922 (H) x 522 (V) mm, diagonal 1059mm)
	Resolution	852 (H) x 1024 (V) pixels	1024 (H) x 1024 (V) pixels
Net dimensions (excluding Speakers/Stand)		830 (W) x 506 (H) x 92 (D) mm	1030 (W) x 636 (H) x 91 (D) mm
Net weight (excluding Speakers/Stand)		24.6kg	34.9kg
Ambient conditions	Temperature	Operating : 5˚C to 35˚C, Storage : 0˚C to 40˚C	
	Relative humidity	Operating : 20% to 80%, Storage : 20% to 90% (non-condensing)	
Power supply		AC100 - 240V, 50/60Hz	
Power consumption/at standby		255W / <3W	365W / <3W
Audio output		12W + 12W (6Ω)	
(RGB input)			
Input signals	Input terminals	RGB1 DVI input terminal (DVI-D) RGB1 audio input terminal (3.5mm Stereo Mini Jack) RGB2 analog RGB input terminal (D-sub 15-pin) RGB2 audio input terminal (3.5mm Stereo Mini Jack)	
	Video signals	0.7 V/1.0 Vp-p, analog RGB (Recommended Signal)	
	Sync signals	H/V separate, TTL level [2KΩ] H/V composite, TTL level [2KΩ] Sync on green, 0.3 Vp-p [75Ω]	
Recommended signal		43 modes ⟨28⟩ ⟨29⟩	

• The monitor takes at least 30 minutes to attain the status of optimal picture quality.

Signal Input

RGB terminal (D-sub 15-pin connector)

Pin	Input signal
1	R
2	G or sync on green
3	B
4	No connection
5	No connection
6	R.GND
7	G.GND
8	B.GND
9	No connection
10	GND
11	No connection
12	[SDA]
13	H. sync or H/V composite sync
14	V.sync. [V.CLK]
15	[SCL]

⑤ ④ ③ ② ①
⑩ ⑨ ⑧ ⑦ ⑥
⑮ ⑭ ⑬ ⑫ ⑪

• When different kinds of input signals are simultaneously input to the monitor via a graphics board or the like, the monitor will automatically select the signals in the following priority order:

Sync signal type	Priority
H/V separate sync.	1
H/V composite sync.	2
sync.on Green *	3

*Even in the case of the recommended signals shown on the following page, there may be instances when correct display is not possible. In this case, use H/V separate sync, H/V composite sync.

PRODUCT SPECIFICATIONS (continued)

Signal Input (continued)

DVI terminal (DVI-D)

Pin	Input signal	Pin	Input signal
1	T.M.D.S. Data2-	14	+5V Power
2	T.M.D.S. Data2+	15	Ground (for+5V)
3	T.M.D.S. Data2/4 Shield	16	Hot Plug Detect
4	T.M.D.S. Data4-	17	T.M.D.S. Data0-
5	T.M.D.S. Data4+	18	T.M.D.S. Data0+
6	DDC Clock	19	T.M.D.S. Data0/5 Shield
7	DDC Data	20	T.M.D.S. Data5-
8	No Connect	21	T.M.D.S. Data5+
9	T.M.D.S. Data1-	22	T.M.D.S. Clock Shield
10	T.M.D.S. Data1+	23	T.M.D.S. Clock+
11	T.M.D.S. Data1/3 Shield	24	T.M.D.S. Clock-
12	T.M.D.S. Data3-	Frame	GND
13	T.M.D.S. Data3+		

1	2	3	4	5	6	7	8	
9	10	11	12	13	14	15	16	▭
17	18	19	20	21	22	23	24	

Recommended Signal List

With Digital RGB signal input (RGB1 input)

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)	Remarks
	Signal Name	Resolution	Vertical frequency (Hz)			
1	VGA	640 X 400	70.08	31.47	25.18	
2		640 X 480	59.94	31.47	25.18	
3	W-VGA	864 X 480	60.00	31.02	33.75	
4		864 X 480	59.94	31.47	34.24	WVGA type : On
5		640 X 480	72.81	37.86	31.50	
6		640 X 480	75.00	37.50	31.50	
7		640 X 480	85.01	43.27	36.00	
8		800 X 600	56.25	35.16	36.00	
9		800 X 600	60.32	37.88	40.00	
10	VESA	800 X 600	72.19	48.08	50.00	
11		800 X 600	75.00	46.88	49.50	
12		800 X 600	85.06	53.67	56.25	
13		1024 X 768	60.00	48.36	65.00	
14		1024 X 768	70.07	56.48	75.00	
15		1024 X 768	75.03	60.02	78.75	

• Make sure that the signal of the equipment to be connected is compatible with the specifications of this list.

With Analog RGB signal input (RGB2 input)

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)	Remarks
	Signal Name	Resolution	Vertical frequency (Hz)			
1	VGA	640 X 400	70.08	31.47	25.18	
2		640 X 480	59.94	31.47	25.18	
3	W-VGA	864 X 480	59.94	31.47	34.24	WVGA type : On
4	VESA	640 X 480	72.81	37.86	31.50	
5		640 X 480	75.00	37.50	31.50	
6		640 X 480	85.01	43.27	36.00	
7		800 X 600	56.25	35.16	36.00	
8		800 X 600	60.32	37.88	40.00	
9		800 X 600	72.19	48.08	50.00	
10		800 X 600	75.00	46.88	49.50	
11		800 X 600	85.06	53.67	56.25	
12		1024 X 768	60.00	48.36	65.00	
13		1024 X 768	70.07	56.48	75.00	
14		1024 X 768	75.03	60.02	78.75	
15		1024 X 768	85.00	68.68	94.50	
16		1152 X 864	75.00	67.50	108.00	
17		1280 X 1024	60.02	63.98	108.00	
18		1280 X 1024	75.03	79.98	135.00	
19		1280 X 1024	85.02	91.15	157.50	
20		1600 X 1200	60.00	75.00	162.00	
21		1600 X 1200	75.00	93.75	202.50	
22		1600 X 1200	85.00	106.25	229.50	
23	Macintosh	640 X 480	66.67	35.00	30.24	
24		832 X 624	74.55	49.72	57.28	
25		1024 X 768	74.93	60.24	80.00	
26		1152 X 870	75.06	68.68	100.00	
27	W-XGA	1280 X 768	59.833	47.986	81.00	
28		1280 X 768	69.997	56.137	94.760	

- The type of video board or connecting cable used may not allow for correct displays adjustment of Horizontal Position, Vertical Position, Horizontal Clock and Clock Phase.
- The monitor may fail to display an animation image correctly when a signal having a vertical frequency of 85Hz or higher is input to it.
- The monitor differentiates the signal modes according to the horizontal and vertical frequencies and the horizontal and vertical sync signal polarities. Note that different signals having all these elements alike may be handled as the same signal.
- Displaying images with more than 512 lines of vertical resolution at Full diplay (compressed display) can result in the interpolation of stripes.

SUPPLEMENT
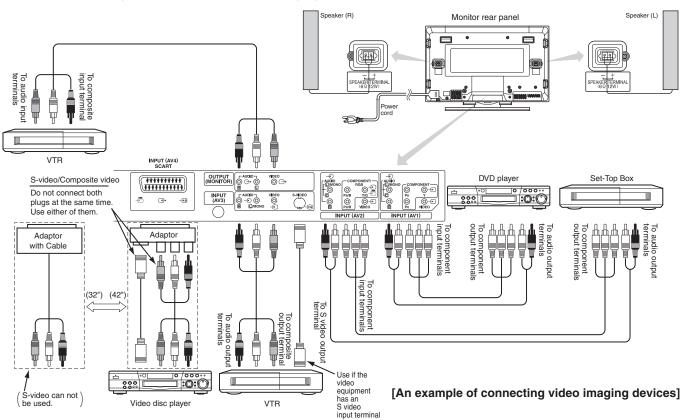
Optional Video Unit Function

Additional functions when the optional video unit is installed are as follows: (31 ~ 42)
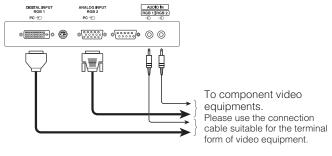
INSTALLATION INSTRUCTIONS

Connecting to a Video Imaging Device

(1) Make sure that the power switch of the monitor is turned off.
(2) Make sure that the power switch of the imaging device is turned off.
(3) Use a commercially available cable and connector to connect the signal input terminal on the rear panel of this device and the signal output terminal of the imaging device.

[An example of connecting video imaging devices]

With RGB component setup

To component video equipments.
Please use the connection cable suitable for the terminal form of video equipment.
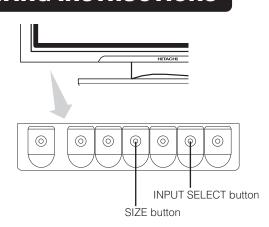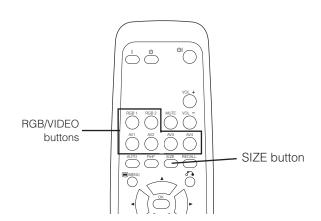
- If video equipment with an S video output terminal is used, cabling by the S video cable is recommended to provide finer video quality. (If an S video input terminal and a video input terminal of AV3 connect to the monitor at the same time, S video input would govern.)
- If the OUTPUT (MONITOR) terminal is connected to an external monitor with a 75 Ohm terminal, it is possible to view the same image as on the main unit. But it is possible to monitor only the composite video signal from AV1, AV2, AV3 or AV4 input that is displayed on the screen at the time.
- If the adaptor is applied to AV4 input as shown in the drawing, it is not possible to receive RGB signal.

Applicable video signals for each input terminal (See PRODUCT SPECIFICATIONS for details. 40)

Terminal	RCA/SCART				DVI		D-sub		Remarks
Signal	CVBS	S-video	Component	RGB	PC	STB	RGB	Component	
AV1	○		○						
AV2	○		○	○					Refer to Setup Menu. 38
AV3	○	○							
AV4	○	○		○					Refer to Setup Menu. 38
RGB1					○	○			Refer to Setup Menu. 39
RGB2							○	○	Refer to Setup Menu. 39

(○ : Available)
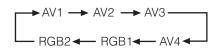
OPERATING INSTRUCTIONS

INPUT SELECT button
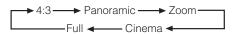
SIZE button

RGB/VIDEO buttons

SIZE button

Input Switching

• **Input can be switched by pressing the AV1, AV2, AV3, AV4, RGB1 or RGB2 buttons of the remote control.**
• **Input can be switched in the sequence of AV1 → AV2 → AV3 → AV4 → RGB1 → RGB2 by pressing the INPUT SELECT button of the monitor.**

AV1 → AV2 → AV3 → AV4 → RGB1 → RGB2 →

Size Switching

Each time the SIZE button of the remote control or the monitor is pressed, the screen display size will change in sequence and the status will be displayed at the bottom of the screen.

• **During VIDEO signal input (AV1, AV2, AV3, AV4, RGB1 (set to [DVI-STB]) and RGB2 (set to [Component]))**

4:3 → Panoramic → Zoom → Cinema → Full →

• The size will fix as Full mode and not change when receiving the component signal of 1080i/50, 1080i/60 or 720p/60.

Full

Display size selection diagram

When you want to	Set the display size to	Input signal	Display screen	Remarks
Play a 4:3 image in a 16:9 screen faithfully.	4 : 3	(4:3 signal)		Blanking occurs on both sides.
Play a 4:3 image in a 16:9 screen with the height and width of the middle of the screen enlarged on equal scales and with both sides appearing somewhat enlarged.	Panoramic			
Play a 16:9 VISTA size image in the 4:3 image faithfully reproduced on the 16:9 screen.	Zoom	(Vista)		• The 4:3 image is called a letterbox image. • In some cases, some slight blanking may remain at the top and bottom.
Play a 21:9 Cinema size image in the 4:3 image expanded vertically on the 16:9 screen.	Cinema	(Cinema)		In some cases, some slight blanking may remain at the top and bottom.
Play a 4:3 image faithfully in a 16:9 screen in the standard vertical size and horizontally squeezed.*	Full	(Squeeze)		* An image with an aspect ratio of 16:9 shrunk horizontally to 4:3 to display in a 4:3 screen

Vertical picture position can be adjusted for [Panoramic], [Zoom] and [Cinema] mode as follows.
1. Press SIZE button and ▲ ▼ SELECT buttons during picture size display.
2. Position display will appear.
3. Adjustment range of each picture size are as shown below.

[Panoramic]	- 12 to + 12
[Zoom] and [Cinema]	- 31 to + 31

4. When 1080i/50 or 1080i/60 component signal is received, vertical position can be adjusted only one step up. (The range: 0 to +1)

ENGLISH

Position + 31

Press ▲

Position - 31
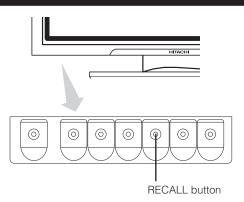
Press ▼
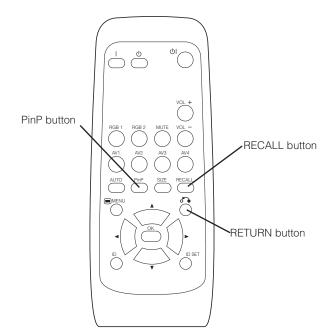
ATTENTION

Using a wide-screen monitor

• This monitor has a screen mode selection feature. If an incompatible screen mode is selected to play certain software, such as a TV program, the image would appear different from the original. Take this into consideration when making screen mode choices.

• Use of this monitor in its enlarged display mode with the wide feature enabled in coffee shops, hotels and other establishments for commercial or pubic viewing purposes could infringe on the copyright holder's right protected by Copyright Law.

• When a normal 4:3 image is displayed over the entire screen in the Panoramic mode, parts of the periphery of the image may disappear and/or appear distorted in some cases. Use the 4:3 mode to view images, which were created in 4:3 mode.
This mode allows 4:3 content to be viewed without picture distortion.

OPERATING INSTRUCTIONS (continued)

RECALL button

PinP button

RECALL button

RETURN button
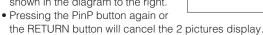
Displaying MULTI PICTURE

If the PinP button on the remote control is pressed MULTI PICTURE will display.

Activating the P-in-P mode from the RGB input screen

Pressing the PinP button one time will display 2 pictures.
- This mode can be available from RGB1(DVI-PC) and RGB2(RGB) input.
- The speaker icon can be shifted left and right by pressing the ◄ and ► SELECT buttons; the audio of the video will be output from the side on which the speaker icon is located.
- The sub-screen position can be selected up and down by pressing ▼ ▲ SELECT buttons.
- The sub-screen can be selected with the AV1, AV2, AV3, and AV4 buttons from the status that the speaker icon appears on the left side of AV✳ as shown in the diagram to the right.

RGB2
◁» AV1

(Sub-screen)

- Pressing the PinP button again or the RETURN button will cancel the 2 pictures display.
- "Frequency Mode" in the Setup Menu should be set to Movie when sub-screen is the component signal of 1080i/50 or 1080i/60.

AV1: Displays the VIDEO input signal of the sub-screen.

Activating the Split mode from the video input screen

Pressing the PinP button one time will display 2 pictures.
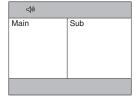
◁» AV1 | AV2

- The speaker icon can be shifted left and right by pressing the ◄ and ► SELECT buttons; the audio of the video will be output from the side on which the speaker icon is located.
- The same video input mode cannot be selected for both screens at the same time.
- Pressing the PinP button again or the RETURN button will cancel the 2 pictures display.
- When the Video input is set to RGB Video, this Split mode is not possible.
- Refer to the table for 2 pictures (Split) mode.

◁»
Main | Sub

2 Pictures (Split)

Input terminal		AV1~AV4		AV1, AV2					RGB1	RGB2
Main \ Sub		PAL SECAM	NTSC3.58 NTSC4.43	576i 576p	480i 480p	1080i/50	1080i/60	720p/60	STB	Component
AV1 ~AV4	PAL, SECAM	○	○	○	○	○	○	○		
	NTSC3.58/4.43	○	○	○	○	○	○	○		
AV1 AV2	576i, 576p	○	○							
	480i, 480p	○	○							
	1080i/50	○	○							
	1080i/60	○	○							
	720p/60	○	○							
RGB1	STB									
RGB2	Component	○	○	○	○	○	○	○		

(○ : Available)

NOTE
- Even if the input of the horizontal / vertical synchronizing signal (or video signal) stops in the MULTI PICTURE display, the mode will not change to power save mode.
- Please be careful since image retention will occur if display is left in a MULTI PICTURE display state for a long period of time.

Input Signal Screen Display

The input signal status can be displayed on the screen by pressing the RECALL button of the remote control or the monitor.

・The display will go out in approximately 6 seconds.

VIDEO

AV1 ← Input mode
Composite ← Signal mode

Off-timer → ⏲ – – Min.
On-timer → ⏲ – – : – –

34

PICTURE MENU

MENU

```
Picture
Audio
Timer
Function
Setup
Language
↕ Select
OK Set
```

OK

```
Picture
Picture Mode      Dynamic
Contrast          +31
Brightness        -31
Color             0
Sharpness         +15
Tint              0
Color Temperature Normal
Contrast Mode     Normal
Reset             Reset
↕ Select  OK Set  Return
```

OK

```
Picture Mode         Dynamic
↕ Next/Prev  ↔ Select  Return
```

```
Picture
Picture Mode      Dynamic
Contrast          +31
Brightness        -31
Color             0
Sharpness         +15
Tint              0
Color Temperature Normal
Contrast Mode     Normal
Reset             Reset
↕ Select  OK Set  Return
```

OK

```
Contrast Mode        Normal
↕ Next/Prev  ↔ Select  Return
```

```
Picture          Dynamic
YNR              Off
CNR              Off
Film Mode        On
PAL Comb Filter  On
LTI              Off
CTI              Off
Black Enhancement Off
Auto Color       Off
Reset            Reset
↕ Select  OK Set  Return
```

OK

```
YNR                  Off
↕ Next/Prev  ↔ Select  Return
```

```
Picture          Dynamic
YNR              Off
CNR              Off
Film Mode        On
PAL Comb Filter  On
LTI              Off
CTI              Off
Black Enhancement Off
Auto Color       Off
Reset            Reset
↕ Select  OK Set  Return
```

OK

```
Auto Color           Off
↕ Next/Prev  ↔ On/Off  Return
```

```
Picture             Dynamic
Color Temp. Adjust
Color Management
Color Decoding
↕ Select  OK Set  Return
```

OK

```
Picture
Color Temp. Adjust      On
  Amplitude
    Red       – 63
    Green        0
    Blue      – 31
  Cut Off
    Red       + 31
    Green        0
    Blue      + 31
Reset               Reset
↕ Select  ↔ On/Off  Return
```

```
Picture             Dynamic
Color Temp. Adjust
Color Management
Color Decoding
↕ Select  OK Set  Return
```

OK

```
Picture
Color Management        On

    Magenta   + 60
    Red       + 30
    Yellow       0
    Green     + 60
    Cyan      + 30
    Blue         0

Reset               Reset
↕ Select  ↔ On/Off  Return
```

```
Picture             Dynamic
Color Temp. Adjust
Color Management
Color Decoding
↕ Select  OK Set  Return
```

OK

```
Picture
Color Decoding

● RGB  ○ R  ○ G  ○ B
    Red          0
    Green     + 60
    Color        0
    Tint      + 31

Reset               Reset

↕ Select  Return  Exit
```

OPERATING INSTRUCTIONS (continued)

PICTURE MENU (continued)

Selected characters		◀	▶	Setup hint
Picture Mode		→Dynamic ←→ Natural←		Dynamic: This setting is best for very bright ambient lighting. Natural: This setting is for normal lighting conditions.
Contrast		Narrows the gap between brightness and darkness.	Broadens the gap between brightness and darkness.	Adjust for maximum visibility to suit the ambient brightness. This can adjust further till [+40] by pressing and holding ▶ cursor button at [+31]. The color for [+32] to [+40] numbers will change from white to magenta. This special mode is better for dark scenes. For normal viewing we recommend that the Contrast is set to [+31]. "Panel Life" in the Function Menu should be set to Normal when this Contrast setting is adjusted.
Brightness		Black is subdued for increased overall darkness.	Black is set off for increased overall brightness.	Adjust to taste.
Color		Darkens colors.	Lightens colors.	Adjust to taste.
Sharpness		Soft	Sharp	Normally set to Centre position Shift to the minus (-) side for a softer effect and plus (+) for sharper picture.
Tint		Enhances red and weakens green.	Enhances green and weakens red.	This is not available to adjust when receiving PAL/SECAM signal. Then the character will be grayed out. Adjust for most realistic skin color.
Color Temperature		Cool ←→ Normal ←→ Warm ←→ Black / White		Normally set to Cool.
Contrast Mode		Normal ←→ Auto ←→ Dynamic		Dynamic: Emphasizes the differences between video shadings to improve the feeling of contrast. Normal : The gradation of an image is reproduced as faithfully as possible. Auto: Detects image brightness and automatically adjusts for natural brightness.
Reset		(off the function)	(waiting to reset)	The original factory settings for the items of this Menu page can be restored by pressing the OK button.
YNR		Off ←→ Low ←→ High		Performs picture signal noise reduction. Turn up to reduce noise.
CNR				Performs color signal noise reduction. Turn up to reduce noise. And it will be fixed as Off only when selecting DVI-STB mode.
Film Mode		→ Off ←→ On ←		On: Automatically detects the movie film material and faithfully reproduces the original film image. Off: Set to OFF when switching between images does not appear natural.
PAL Comb Filter		→ Off ←→ On ←		This is available only when receiving a PAL composite signal. Turn On to reduce the discolorations in fine picture detail and provides purer color.
LTI		Off ←→ Low ←→ Middle ←→ High		Adjusts the sharpness of the picture signal.
CTI				Adjusts the sharpness of the color signal.
Black Enhancement				Adjusts the black level compensation.
Auto Color		→ Off ←→ On ←		This is available only when receiving an NTSC composite/S.Video signal. This monitors and adjusts the color to maintain constant color levels. It also maintains natural flesh tones while preserving fidelity of background colors.
Color Temp. Adjustment		→ Off ←→ On ←		Turn On when you wish to change color temperature depending on the user's preference.
Amplitude	Red	Brighter scene is decreased in reddish color.	Brighter scene is increased in reddish color.	
	Green	Brighter scene is decreased in greenish color.	Brighter scene is increased in greenish color.	
	Blue	Brighter scene is decreased in bluish color.	Brighter scene is increased in bluish color.	Adjust color temperature depending on the user's preference. These settings are independently stored in each of the 4 Color Temperature modes.
Cut Off	Red	Dark scene is decreased in reddish color.	Dark scene is increased in reddish color.	
	Green	Dark scene is decreased in greenish color.	Dark scene is increased in greenish color.	
	Blue	Dark scene is decreased in bluish color.	Dark scene is increased in bluish color.	

Selected characters		◀	▶	Setup hint
Color Management		→ Off ⟷ On ←		Turn On when the original balance of each color is required to adjust depending on the user's preference.
	Magenta	Magenta is weakened.	Magenta is strengthened.	
	Red	Red is weakened.	Red is strengthened.	
	Yellow	Yellow is weakened.	Yellow is strengthened.	This adjusts listed colors individually to make them either deeper or more pure. These settings are independently stored in each of the 4 Color Temperature modes.
	Green	Green is weakened.	Green is strengthened.	
	Cyan	Cyan is weakened.	Cyan is strengthened.	
	Blue	Blue is weakened.	Blue is strengthened.	
Color Decoding		→RGB ⟷ R ⟷ G ⟷ B ←		Select the single color screen when that is required to adjust R/G/B level individually depending on the user's preference. And set it back to RGB mode that indicates all color after adjusting. Press the OK button every time the setting is changed.
	Red	Darkens red only.	Lightens red only.	
	Green	Darkens green only.	Lightens green only.	This adjusts R/G/B level or tint to make the color appear natural for the user's preference. These settings are independently stored in each of the 4 Color Temperature modes.
	Color	Darkens colors.	Lightens colors.	
	Tint	Enhances red and weakens green.	Enhances green and weakens red.	

FUNCTION MENU

1 item is added to the Menu shown in the page 19 .

MENU

Picture
Audio
Timer
Function
Setup
Language
↕ Select
OK Set

OK

Function
Screen Saver   Off
Screen Wipe   On 60Min.
Black Side Panel   Off
Video Power Save   Off
Freeze Mode   Split
Default Zoom   Panoramic
Reset   Reset
↕ Select   ◀▶ Set   Return

Function
Panel Life   Normal
Mode Display   Off
ID Number   1
Inverse   On 60Min.
Standby White   Off
Gamma   2.2
Reset   Reset
↕ Select   ◀▶ Set   Return
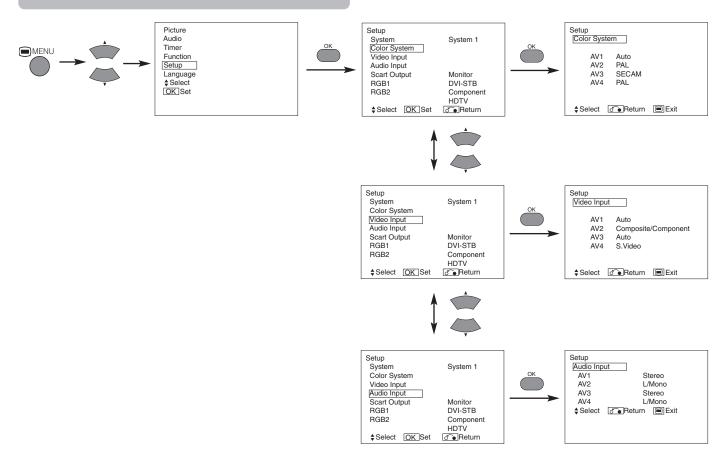
Selected characters	◀	▶	Setup hint
Video Power Save	→ Off ⟷ On ←		This is used to reduce power consumption for video input when there is no video signal. Setting it On will leads the monitor to the standby mode when the AV input with no signal is selected.

OPERATING INSTRUCTIONS (continued)

SETUP MENU

MENU →

Picture / Audio / Timer / Function / Setup / Language
↕ Select
OK Set

OK →

Setup
System — System 1
Color System
Video Input
Audio Input
Scart Output — Monitor
RGB1 — DVI-STB
RGB2 — Component / HDTV
↕ Select OK Set Return

OK →

Setup — Color System
AV1 Auto
AV2 PAL
AV3 SECAM
AV4 PAL
↕ Select Return Exit

Setup
System — System 1
Color System
Video Input
Audio Input
Scart Output — Monitor
RGB1 — DVI-STB
RGB2 — Component / HDTV
↕ Select OK Set Return

OK →

Setup — Video Input
AV1 Auto
AV2 Composite/Component
AV3 Auto
AV4 S.Video
↕ Select Return Exit

Setup
System — System 1
Color System
Video Input
Audio Input
Scart Output — Monitor
RGB1 — DVI-STB
RGB2 — Component / HDTV
↕ Select OK Set Return

OK →

Setup — Audio Input
AV1 Stereo
AV2 L/Mono
AV3 Stereo
AV4 L/Mono
↕ Select Return Exit

Selected characters	◀	▶	Setup hint
System		System1 ↔ System2	Do not change the original setting. (System1 : Europe/Asia, System2 : North America)
Color System			
AV1		Auto ↔ PAL ↔ SECAM ↔ NTSC3.58 ↔ NTSC4.43	This should correspond to the color system of the signal from the equipment that is connected to AV1 video input terminal. • Normally, set this to Auto. The system of the input signal will be automatically recognized. • If the input signal contains much noise or has a low level at Auto and the operation is found erratic, set this to match the input signal. • When the component signal is received, this would be not available (grayed out).
AV2			
AV3			(Same to AV1)
AV4			
Video Input			
AV1		Auto ↔ HDTV ↔ SDTV/DVD	This should correspond to the signal mode of the signal from the equipment that is connected to AV1 video input terminal. • Normally, set this to Auto. The signal mode of the input signal will be automatically recognized. • If the input signal contains much noise or has a low level at Auto and the operation is found erratic, set this to match the input signal.
AV2 (1st step)		RGB ↔ Composite/Component	This should correspond to the signal mode of the signal from the equipment that is connected to AV2 video input terminal.
AV2 (2nd step)		Auto ↔ HDTV ↔ SDTV/DVD	This step should be set only when [Composite/Component] is selected on the 1st step. And the procedure is same to AV1.
AV4		S.Video ↔ Composite	• If the signal from the equipment that is connected to AV4 Scart input terminal is S.Video or Composite, set this to correspond to that signal. • If the signal is RGB, it will be automatically recognized and this setting will have no effect.

Selected characters	◄	►	Setup hint
Audio Input			
AV1	→ Stereo ←→ L/Mono ←		This should correspond to the audio signal from the equipment that is connected to AV1 audio input terminal. If it is monaural audio, set this to L/Mono.
AV2			(Same to AV1)
AV3			
AV4			
Scart Output			Not Available (grayed out)
RGB1	→ DVI-PC ←→ DVI-STB ←		This should correspond to the signal mode of the signal from the equipment that is connected to RGB1 DVI terminal.
RGB2 (1st step)	→ RGB ←→ Component ←		This should correspond to the signal mode of the signal from the equipment that is connected to RGB2 D-sub terminal.
RGB2 (2nd step)	→ Auto ←→ HDTV ←→ SDTV/DVD ←		This step should be set only when [Component] is selected on the 1st step. This should correspond to the signal mode of the signal from the equipment that is connected to RGB2 D-sub terminal. • Normally, set this to Auto. The signal mode of the input signal will be automatically recognized. • If the input signal contains much noise or has a low level at Auto and the operation is found erratic, set this to match the input signal.

OTHER FEATURES

Automatic Store

Approximately 1 sec. after adjustment is completed, the adjustments will be recorded as shown in the table below.

Menu	Display	Registration condition
Picture	Picture Mode	1 setting is registered.
	Contrast	For every input function and every Picture Mode, 1 setting is registered.
	Brightness	
	Color	
	Sharpness	
	Tint	
	Color Temperature	
	Contrast Mode	
	YNR	
	CNR	
	Film Mode	
	PAL Comb Filter	
	LTI	
	CTI	
	Black Enhancement	
	Auto Color	
	Color Temp. Adjust	
	R Amplitude	For every Color Temperature, 1 setting is registered.
	G Amplitude	
	B Amplitude	
	R Cut Off	
	G Cut Off	
	B Cut Off	
	Color Management	For every input function and every Picture Mode, 1 setting is registered.
	Magenta	1 setting is registered.
	Red	

Menu	Display	Registration condition
Picture	Yellow	1 setting is registered.
	Green	
	Cyan	
	Blue	
	Color Decoding	-
	Red	For every Color Temperature, 1 setting is registered.
	Green	
	Color	For every input function and every Picture Mode, 1 setting is registered.
	Tint	
Function	Video Power Save	1 setting is registered.
Setup	System	1 setting is registered.
	Color System	1 setting is registered.
	AV1	
	AV2	
	AV3	
	AV4	
	Video Input	-
	AV1	1 setting is registered.
	AV2	
	AV4	
	Audio Input	-
	AV1	1 setting is registered.
	AV2	
	AV3	
	AV4	
	RGB1	
	RGB2	

• The previously recorded items will be lost.

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TROUBLESHOOTING

Symptoms That Seemingly Appear to be Failures

Make the checks suggested below depending on the symptoms observed. If the symptoms remain uncorrected, contact your dealer.

> ⚠ WARNING
>
> Customer servicing can be hazardous.

Symptom	Point to check	See page
• The screen becomes dark and the images cannot be seen during VTR special playback (fast forward, rewind).	• This sometimes occurs when a component output VTR such as the 480i is connected. This is not a malfunction; therefore, please take note that this may occur. When it does occur, change to composite output, or S.video output.	–

PRODUCT SPECIFICATIONS

This table shows the specifications when the optional video unit has been inserted.

| Panel	Display dimensions	Approx. 32 inches (716 (H) x 399 (V) mm, diagonal 820mm)	Approx. 42 inches (922 (H) x 522 (V) mm, diagonal 1059mm)
	Resolution	852 (H) x 1024 (V) pixels	1024 (H) x 1024 (V) pixels
Net dimensions (excluding Speakers/Stand)		830 (W) x 506 (H) x 92 (D) mm	1030 (W) x 636 (H) x 91 (D) mm
Net weight (excluding Speakers/Stand)		24.6kg	34.9kg
Ambient conditions	Temperature	Operating : 5˚C to 35˚C, Storage : 0˚C to 40˚C	
	Relative humidity	Operating : 20% to 80%, Storage : 20% to 90% (non-condensing)	
Power supply		AC100 - 240V, 50/60Hz	
Power consumption/at standby		255W / <3W	365W / <3W
Audio output		12W + 12W (6Ω)	
(RGB input)			
Input signals	Input terminals	RGB1 DVI input terminal (DVI-D) RGB1 audio input terminal (3.5mm Stereo Mini Jack) RGB2 analog RGB input terminal (D-sub 15-pin) RGB2 audio input terminal (3.5mm Stereo Mini Jack)	
	Video signals	0.7 V/1.0 Vp-p, analog RGB (Recommended Signal) 480i, 576i, 480p, 576p, 1080i/50, 1080i/60, 720p/60	
	Sync signals	H/V separate, TTL level [2KΩ] H/V composite, TTL level [2KΩ] Sync on green, 0.3 Vp-p [75Ω]	
Recommended signal		46 modes 29 42	
(Video input)			
Input signals	Input terminals	AV1: composite video input terminal (RCA) AV1: Y PB PR video input terminal (RCA) AV1: L/R audio input terminal (RCA) AV2: composite video input terminal (RCA) AV2: Y/G PB/B PR/R video input terminal (RCA) AV2: L/R audio input terminal (RCA) AV3: composite video input terminal (RCA) AV3: S video input terminal (RCA) AV3: L/R audio input terminal (RCA) AV4: composite video / S video / RGB / L/R audio input terminal (Scart)	
	Video signals	AV1: PAL, SECAM, NTSC4.43, NTSC3.58 AV1: 480i, 576i, 480p, 576p, 1080i/50, 1080i/60, 720p/60 AV2: PAL, SECAM, NTSC4.43, NTSC3.58 AV2: 480i, 576i, 480p, 576p, 1080i/50, 1080i/60, 720p/60, RGB AV3: PAL, SECAM, NTSC4.43, NTSC3.58 AV4: PAL, SECAM, NTSC4.43, NTSC3.58 AV4: RGB	
Video output Signal		OUTPUT (MONITOR): composite video monitor-output terminal (RCA) OUTPUT (MONITOR): L/R audio monitor- output terminal (RCA) AV4: composite video / L/R audio monitor-output terminal (SCART)	
Recommended signal		15 modes 42	
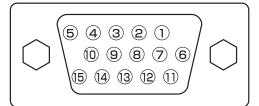
• The monitor takes at least 30 minutes to attain the status of optimal picture quality.

Signal Input

RGB terminal (D-sub 15-pin connector)

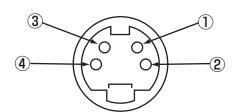| Pin	Input signal
1	R (PR/CR)
2	G or sync on green (Y)
3	B (PB/CB)
4	No connection
5	No connection
6	R.GND (PR/CR, GND)
7	G.GND (Y, GND)
8	B.GND (PB/CB, GND)
9	No connection
10	GND
11	No connection
12	[SDA]
13	H. sync or H/V composite sync
14	V.sync. [V.CLK]
15	[SCL]

( ) : With component input

• When different kinds of input signals are simultaneously input to the monitor via a graphics board or the like, the monitor will automatically select the signals in the following priority order:

Sync signal type	Priority
H/V separate sync.	1
H/V composite sync.	2
sync.on Green *	3

*Even in the case of the recommended signals shown on the following page, there may be instances when correct display is not possible. In this case, use H/V separate sync, H/V composite sync.
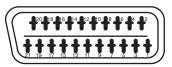
S-input connector pin specifications

Pin	Input signal
1	Y
2	Y-GND
3	C
4	C-GND
Frame	GND

Scart connector pin specifications

Pin	Signal	Pin	Signal
1	AUDIO OUT (RIGHT)	12	Not Used
2	AUDIO IN (RIGHT)	13	RGB-R GND
3	AUDIO OUT (LEFT/MONO)	14	GND
4	AUDIO GND	15	RGB-R / S.VHS CHROMINANCE IN
5	RGB-B GND	16	BLANKING SIGNAL
6	AUDIO IN (LEFT/MONO)	17	COMPOSITE VIDEO GND
7	RGB-B IN	18	BLANKING SIGNAL GND
8	AUDIO/RGB SWITCH / 16:9	19	COMPOSITE VIDEO OUT
9	RGB-G GND	20	COMPOSITE VIDEO / S.VHS LUMINANCE IN
10	Not Used	21	GND / SHIELD (CHASSIS)
11	RGB-G IN		

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PRODUCT SPECIFICATIONS (continued)

Recommended Signal List

With Digital RGB signal input (RGB1 input)

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)	Setup Menu Condition		Remarks
	Signal Name	Resolution	Vertical frequency (Hz)			DVI-PC	DVI-STB	
1	VGA	640 X 400	70.08	31.47	25.18	○		
2		640 X 480	59.94	31.47	25.18	○	○	
3	W-VGA	864 X 480	60.00	31.02	33.75	○		
4		864 X 480	59.94	31.47	34.24	○		WVGA type : On
5	VESA	640 X 480	72.81	37.86	31.50	○		
6		640 X 480	75.00	37.50	31.50	○		
7		640 X 480	85.01	43.27	36.00	○		
8		800 X 600	56.25	35.16	36.00	○		
9		800 X 600	60.32	37.88	40.00	○		
10		800 X 600	72.19	48.08	50.00	○		
11		800 X 600	75.00	46.88	49.50	○		
12		800 X 600	85.06	53.67	56.25	○		
13		1024 X 768	60.00	48.36	65.00	○		
14		1024 X 768	70.07	56.48	75.00	○		
15		1024 X 768	75.03	60.02	78.75	○		
16	480p	720 X 480	59.94	31.47	27.00		○	EIA-861
17	720p/60	1280 X 720	60.00	45.00	74.25		○	EIA-861
18	1080i/60	1920 X 1080	60.00	33.75	74.25		○	EIA-861

(○ : acceptable)

With Composite Input(AV1~AV4 input) and S-video Input (AV3 input).

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)	Remarks
	Signal Name	Resolution	Vertical frequency (Hz)			
1	NTSC4.43 NTSC3.58	525	59.94	15.73	—	
2	PAL SECAM	625	50.00	15.63	—	

With R, G, B Video input (AV2 and AV4 input).

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)	Remarks
	Signal Name	Resolution	Vertical frequency (Hz)			
1	NTSC4.43/3.58 PAL, SECAM	525 625	59.94 50.00	15.73 15.63	–	

With component input (AV1, AV2 and RGB2-component input).

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)	Remarks
	Signal Name	Resolution	Vertical frequency (Hz)			
1	576i	576	50.00	15.63	—	
2	480i	480	59.94	15.73	—	
3	576p	576	50.00	31.26	—	
4	480p	480	59.94	31.47	—	
5	1080i/50	1080	50.00	28.13	—	
6	1080i/60	1080	60.00	33.75	—	
7	720p/60	720	59.94	44.96	—	

• The monitor differentiates the signal modes according to the horizontal and vertical frequencies and the horizontal and vertical sync signal polarities. Note that different signals having all these elements alike may be handled as the same signal.
• Displaying images with more than 512 lines of vertical resolution at Full diplay (compressed display) can result in the interpolation of stripes.
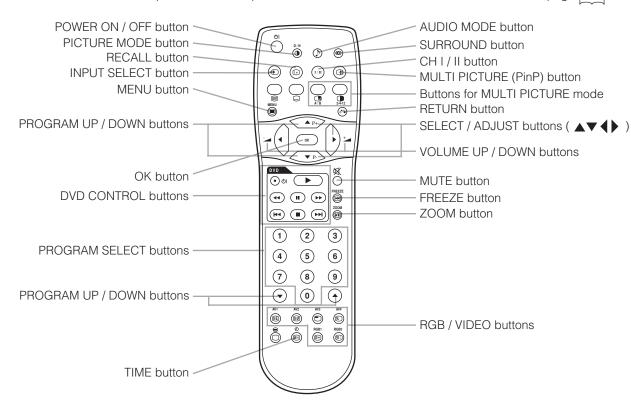
Optional Tuner Unit Function

The optional tuner unit can operate when installed with the optional video unit.
Additional functions when the optional tuner unit is installed are as follows: (43 ~ 56)

COMPONENT NAMES

Remote control (provided for the optional tuner unit)

ENGLISH

POWER ON / OFF button
PICTURE MODE button
RECALL button
INPUT SELECT button
MENU button

PROGRAM UP / DOWN buttons

OK button
DVD CONTROL buttons

PROGRAM SELECT buttons

PROGRAM UP / DOWN buttons

TIME button

AUDIO MODE button
SURROUND button
CH I / II button
MULTI PICTURE (PinP) button
Buttons for MULTI PICTURE mode
RETURN button
SELECT / ADJUST buttons (▲▼◀▶)
VOLUME UP / DOWN buttons

MUTE button
FREEZE button
ZOOM button

RGB / VIDEO buttons

Loading Batteries

1. Open the battery cover.
• Slide back and remove the battery cover in the direction of the arrow.

2. Load batteries.
• Load two Size AA batteries included observing the correct polarities.

3. Close the battery cover.
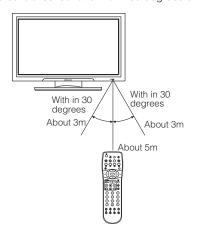• Replace the battery cover in the direction of the arrow and snap it back into place.

⚠ **CAUTION**
• Do not use new and old batteries together. The batteries could explode or leak, resulting in fires, physical injury, or stains.
• When loading batteries, observe their correct polarities as marked on the product. If loaded in the wrong direction, the batteries could explode or leak, resulting in fires, physical injury, or stains.

Handling the Remote Control

Use the remote control within about 5 m from front of the unit's remote-control sensor and within 30 degrees on both sides.

With in 30 degrees   With in 30 degrees
About 3m   About 3m
About 5m

ATTENTION
• Do not drop or impact the remote control.
• Do not splash the remote control with water or put it on a wet object to avoid possible failures.
• Before leaving the remote control out of use for an extended period of time, remove the batteries from it.
• If the remote control begins to lack responsiveness, replace the batteries.
• Strong light such as direct sunlight impinging on the photoreceptor of the remote control can cause operational failure. Position this unit to avoid direct contact with such light.

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COMPONENT NAMES (continued)

Remote control (provided for the optional tuner unit) (continued)

PICTURE MODE
You may recall the picture mode by pressing this button. Each time pressed, picture mode is changed in following sequence.

Dynamic ⟶ Natural

INPUT SELECT
Press this button to change input mode.

RECALL
With this button, the display change between "--","---","-" and AV00 on the top right hand corner of the screen. "--" is for 2 digit channel selection, "---" is for 3 digit channel selection and "-" is for 1 digit channel selection.

DVD CONTROL
You can use these buttons to operate the selected brand of DVD player.

PROGRAM SELECT
Press these buttons to select a TV program directly.

TIME
Pressing this button can indicate the time by On-Screen display when receiving a TV program on the screen including TELETEXT service with the time information.

AUDIO MODE
You may recall the sound mode by pressing this button. Each time pressed, sound mode is changed in following sequence.

Movie ⟶ Music
↑ ↓
Favorite ⟵ Speech

MATRIX SURROUND
Press this button to set Matrix Surround On or Off.

MULTI PICTURE
Press this button to change the screen to multi-pictures. Press it again to return to normal picture.

CH I/II
This button is for A2 / NICAM models only.

MULTI MODE
In multi-picture mode, pressing this button will change the multi-picture mode.

MUTE
Press this button to turn off the set sound. When press again or the ▶ volume up button will restore the sound.

FREEZE
Press this button to change the picture to freeze mode. Press it again to return to normal picture.

ZOOM
Press this button can change Picture size.

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[Buttons for TELETEXT Mode]

SUBTITLE button

TEXT button

MODE button

INDEX button

TV / TEXT button

CANCEL button

TV button

COLOR buttons
(RED, GREEN, YELLOW, BLUE)

TEXT / TV+TEXT button

PAGE UP / DOWN button

SUB PAGE buttons

REVEAL button

HOLD button

U. N. L. button

TELETEXT FUNCTION

| Buttons on Remote Control	Function
TEXT	Press this to use the TELETEXT services.
TV	Press this to return to the TV mode when in the TELETEXT mode.
TV / TEXT	This switches the receiver between the TV mode and the TELETEXT mode.
TEXT / TV + TEXT	In TELETEXT mode, this button switches between TV+TEXT screen (split) and TELETEXT only.
MODE	This selects the FASTEXT and FAVORITE modes.
INDEX	This selects the P100 page.
SUB PAGE	This allows receiving of a sub page. When the button is pressed, "S✱✱✱✱" will be displayed at the top left of the screen.
SUB TITLE	Use this to access a subtitle service directly rather than through a TELETEXT service (subject to subtitle service broadcasting).
CANCEL	This allows the screen to return to the TV mode temporarily while searching for a required text page. When the required text page has been received, the page number will be displayed at the top left of the screen. Press the CANCEL button again to display the TELETEXT screen.
RED GREEN YELLOW BLUE	Each of these buttons selects a link page displayed at the lower part of the screen. A FAVORITE page can also be stored in the memory using one of the colors. It can then retrieve the page stored by pressing the appropriate color button. **To store a FAVORITE page :** • press the MODE button ; • press a color button for the FAVORITE page ; • enter the FAVORITE page number to be stored and press the same color button again to confirm.
U. N. L	Each time this button is pressed, the screen display mode changes through the following. normal state ⟶ upper half screen enlarged lower half screen enlarged ⟵
HOLD	This holds the page currently being displayed on the screen. Instead of the page number, a " 　 " indicator appears at the top of the screen. Press this button again to release the hold state.
REVEAL	This allows hidden information (found on some teletext pages) to be displayed on the screen.
PAGE UP / DOWN	These buttons increase / decrease the TELETEXT page number.
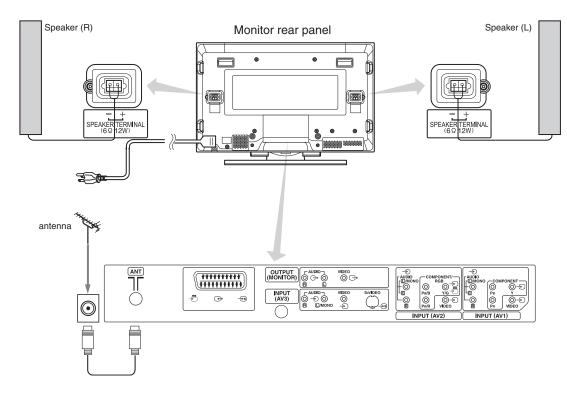
NOTE
· Certain pages do not show linked pages at the bottom of the screen. To display linked pages, press the INDEX button.

INSTALLATION INSTRUCTIONS

Connecting Antenna

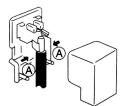**Make sure that the power switch of the monitor is turned off.**

When the "ANT" terminal is connected to outdoor antenna instead of CATV system, please note that a good antenna adaptor is necessary. See the diagram on the right.
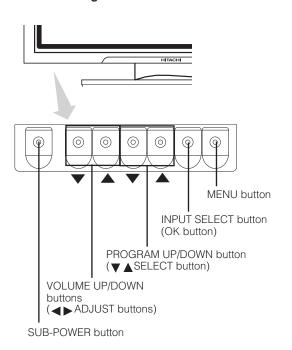

Precautions when connecting the antenna

- Clamp section Ⓐ using pliers when installing the coaxial cable. If other types of adaptors are used, be sure that the core and shielding are good.
- Please use a coaxial cable which is free from interference to connect the antenna. Avoid using a parallel flat feeder wire as interference may occur, causing reception to be unstable and stripe noise to appear on the screen.
- Avoid using indoor antenna as this may be affected by interference. Please use CATV net or outdoor antenna.
- Keep the power cord as far away from the antenna wire as possible.
- For safety, install an external antenna conforming to AS1417.1 (applicable for Australia only)

If there are noise appearance in the picture of VHF-Low band channel, please use the double-shielded cable (not provided) for RF LEADS to reduce the noise.
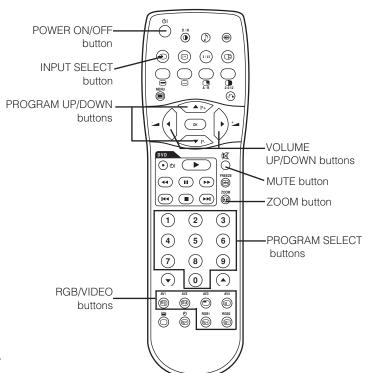
46

OPERATING INSTRUCTIONS

The functions of the buttons located on the bottom of the monitor change as shown below:

MENU button

INPUT SELECT button
(OK button)

PROGRAM UP/DOWN button
(▼ ▲ SELECT button)

VOLUME UP/DOWN buttons
(◀ ▶ ADJUST buttons)

SUB-POWER button

POWER ON/OFF button

INPUT SELECT button

PROGRAM UP/DOWN buttons

VOLUME UP/DOWN buttons

MUTE button

ZOOM button

PROGRAM SELECT buttons

RGB/VIDEO buttons

• ( ) indicates the function while the MENU is displayed on the screen.

Input Switching

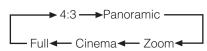• **Input can be switched by pressing the AV1, AV2, AV3, AV4, RGB1 or RGB2 buttons of the remote control. And the way to return to a TV channel is as follows:**
  • Pressing INPUT SELECT button at RGB2 input screen.
  • Pressing some PROGRAM SELECT buttons and select a TV channel.
  • Pressing PROGRAM UP/DOWN buttons at the screen without OSD(On-screen display).

• **Input can be switched in the sequence of TV → AV1 → AV2 → AV3 → AV4 → RGB1 → RGB2 by pressing the INPUT SELECT button of the monitor or the remote control.**
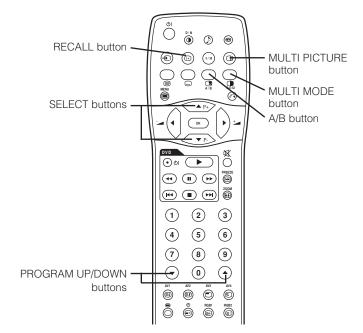
```
  ┌► TV ──► AV1 ──► AV2 ──► AV3 ─┐
  └─ RGB2 ◄── RGB1 ◄── AV4 ◄─────┘
```

Size Switching

Each time the ZOOM button of the remote control is pressed, the screen display size will change in sequence and the status will be displayed at the bottom of the screen.

• **During TV mode**

```
    ┌──► 4:3 ──►Panoramic ──┐
    └─ Full◄── Cinema◄── Zoom◄─┘
```

OPERATING INSTRUCTIONS (continued)

RECALL button

MULTI PICTURE button

MULTI MODE button

SELECT buttons

A/B button

PROGRAM UP/DOWN buttons

Displaying MULTI PICTURE

If the MULTI PICTURE button on the remote control is pressed, multi pictures will display. And then three types of the screen can be selected by pressing the MULTI MODE button on the remote control.
The multi picture mode will change in the following sequence each time the MULTI MODE button is pressed.

2 pictures (Split) ⟶ 4 pictures ⟶ 12 pictures

Activating the Split mode from the TV screen

Pressing the MULTI PICTURE button one time will display 2 pictures.

• The speaker icon can be shifted left and right by pressing the A/B button; the audio will be output from the side on which the speaker icon is located.
• The same signal input cannot be selected for both screens at the same time.
• The TV channel can be changed by pressing the ⓐ and ⓥ PROGRAM UP/DOWN buttons on the remote control.
• The signal input mode of picture-A or picture-B (the one that the speaker icon is located on) can be selected by pressing INPUT SELECT button on the remote control.
• Pressing the MULTI PICTURE button once again will cancel the multi picture mode.
• When the Video input is set to RGB Video, multi picture mode is not possible.
• Refer to the table for 2 pictures (Split) mode. 49

Activating the 4 pictures mode from the TV screen

Pressing the MULTI MODE button one time at the 2 pictures mode will display 4 pictures.

• Press [A/B] button to select picture A or picture B indicated by a red triangle. For pictures on right, press ▲ ▼ SELECT buttons to select picture. The selected channel number would change green.
• The TV channel can be changed by pressing the ⓐ and ⓥ PROGRAM UP/DOWN buttons on the remote control.
• The audio can only be output from picture A in 4 pictures mode.
• The same signal input mode cannot be selected for each screens at the same time.
• Pressing the MULTI PICTURE button at the 4 picture mode will cancel the multi picture mode. And then, pressing the MULTI PICTURE button again will display the 4 pictures.
• Refer to the table for 4 pictures mode. 49

Activating the 12 pictures mode from the TV screen

Pressing the MULTI MODE button one time at the 4 pictures mode will display 12 pictures.

• Starting from channel 1, preset channels will automatically display in sequence on the 12 windows.
• This function activates only in TV mode.
• After several seconds, it refreshes the picture one by one.
• Pressing the MULTI PICTURE button at the 12 picture mode will cancel the multi picture mode. And then, pressing the MULTI PICTURE button again will display the 12 pictures again.
• Pressing the MULTI MODE button at the 12 picture mode will display the 2 pictures (Split) mode.

NOTE
• Even if the input of the horizontal / vertical synchronizing signal (or video signal) stops in the multi picture display, the mode will not change to power save mode.
• Please be careful since image retention will occur if display is left in a multi picture display state for a long period of time.

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2 Pictures (Split)

Input terminal		AV1~AV4		AV1, AV2						RGB1	RGB2	TELE TEXT
Main	Sub	PAL SECAM	NTSC3.58 NTSC4.43	576i 576p	480i 480p	1080i/50	1080i/60	720p/60		STB	Component	
AV1 ~AV4	PAL, SECAM	○	○	○	○	○	○	○				○
	NTSC3.58/4.43	○	○	○	○	○	○	○				
AV1 AV2	576i, 576p	○	○									
	480i, 480p	○	○									
	1080i/50	○	○									
	1080i/60	○	○									
	720p/60	○	○									
RGB1	STB											
RGB2	Component	○	○	○	○	○	○	○				

(○ : Available)

4 Pictures

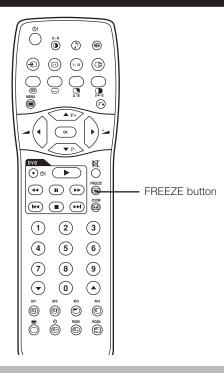| Input terminal		AV1~AV4		AV1, AV2						RGB1	RGB2	TELE TEXT
Main	Sub	PAL SECAM	NTSC3.58 NTSC4.43	576i 576p	480i 480p	1080i/50	1080i/60	720p/60		STB	Component	
AV1 ~AV4	PAL, SECAM	○	○									
	NTSC3.58/4.43	○	○									
AV1 AV2	576i, 576p	○	○									
	480i, 480p	○	○									
	1080i/50	○	○									
	1080i/60	○	○									
	720p/60	○	○									
RGB1	STB											
RGB2	Component	○	○									

(○ : Available)

Input Signal Screen Display

The TV channel status can be displayed on the screen by pressing the RECALL button of the remote control.

・The display will go out in approximately 6 seconds.

TV

1 — TV position
ABCDE — Name
— Sound mode

Off-timer — – – Min.
On-timer — – – : – –

OPERATING INSTRUCTIONS (continued)
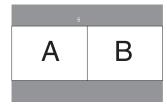
FREEZE button

Picture Freezing

When the FREEZE button on the remote control is pressed, the screen transfers into the freeze mode.
- There are two types of freezing screen mode, Split and Strobe. These are possible to select at the "Freeze Mode" setting of the Function Menu.
- The Split mode will display 2 pictures from the same source on the screen with one active picture and the other still.
- The Strobe mode will display 12 pictures with the last picture active, while other 11 windows are still.
- Pressing the FREEZE button again changes the screen back to the normal picture.
- This function is also available from video input mode besides TV mode. Refer to the table for Freeze function as below:

	Split	Strobe
PAL, SECAM	○	○
NTSC3.58/4.43	○	○
576i	○	○
480i	○	○
576p	○	
480p	○	
1080i/50	○	
1080i/60	○	
720p/60	○	
RGB, DVI-PC		

(○ : Available)

[Split]

5	
A	B

[Strobe]

1	2	3	4
5	6	7	8
9	10	11	12 Active

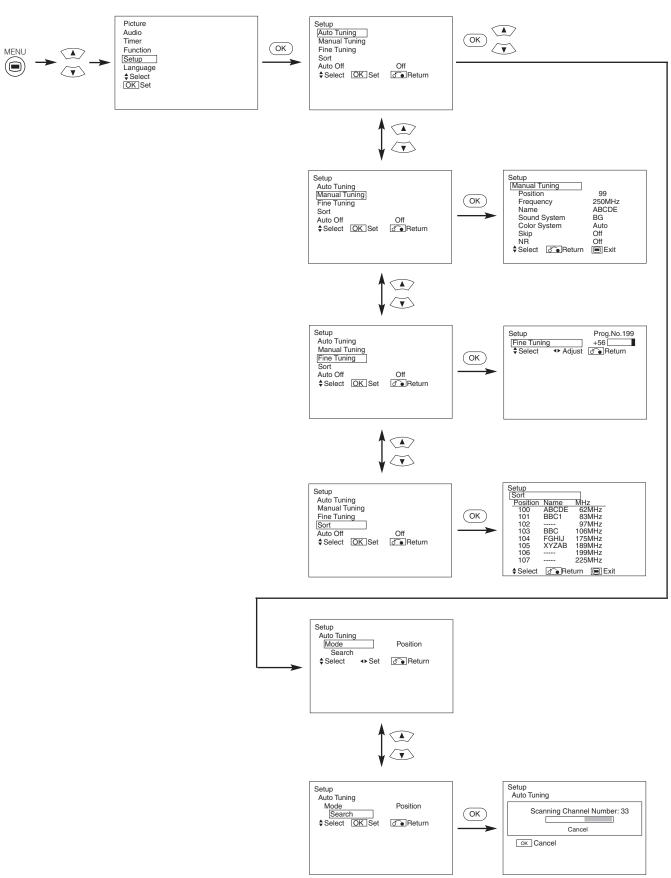## FUNCTION MENU

Refer to the page 37 . (It is same to the Picture Menu of Optional Video Unit Function)
But 2 item is added and 5 items are deleted.

Selected characters	◀		▶	Setup hint
Freeze Mode		→ Split ←→ Strobe ←		This selects the display condition of the FREEZE mode between Split (2 pictures) and Strobe (12 pictures).
Default Zoom		→ Panoramic ←→ 4:3 ←		This selects the screen display size that appears first when the power turned on.
Mode Display		Not Available (grayed out)		
ID Number		Not Available (grayed out)		
Inverse		Not Available (grayed out)		
Standby White		Not Available (grayed out)		
Gamma		Not Available (grayed out)		

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SETUP MENU

[During TV mode]

MENU

Picture
Audio
Timer
Function
Setup
Language
Select
OK Set

OK

Setup
Auto Tuning
Manual Tuning
Fine Tuning
Sort
Auto Off   Off
Select OK Set Return

OK

Setup
Auto Tuning
Manual Tuning
Fine Tuning
Sort
Auto Off   Off
Select OK Set Return

OK

Setup
Manual Tuning
   Position   99
   Frequency   250MHz
   Name   ABCDE
   Sound System   BG
   Color System   Auto
   Skip   Off
   NR   Off
Select Return Exit

Setup
Auto Tuning
Manual Tuning
Fine Tuning
Sort
Auto Off   Off
Select OK Set Return

OK

Setup   Prog.No.199
Fine Tuning   +56
Select Adjust Return

Setup
Auto Tuning
Manual Tuning
Fine Tuning
Sort
Auto Off   Off
Select OK Set Return

OK

Setup
Sort
Position Name   MHz
100   ABCDE   62MHz
101   BBC1   83MHz
102   -----   97MHz
103   BBC   106MHz
104   FGHIJ   175MHz
105   XYZAB   189MHz
106   -----   199MHz
107   -----   225MHz
Select Return Exit

Setup
Auto Tuning
   Mode   Position
   Search
Select Set Return

Setup
Auto Tuning
   Mode   Position
   Search
Select OK Set Return

OK

Setup
Auto Tuning

Scanning Channel Number: 33

Cancel

OK Cancel

OPERATING INSTRUCTIONS (continued)

SETUP MENU (continued)

Selected characters	◀	▶	Setup hint
Auto Tuning			
Mode	→ Position ←→ Direct ←		Select the channel entry method between position setting or direct setting. And press the OK button to fix it. • If [Position] is selected, the screen display will be numbers (1~199 and AV00). • If [Direct] is selected, the screen display will be C✱✱ at the channel 0~99 and S✱✱ at the channel 100~199.
Search	–	–	Press the OK button and it starts the auto tuning.
Manual Tuning			
Position	–	–	Set the position number(0~199) or channel number(C✱✱, S✱✱) by ▼▲ PROGRAM UP/DOWN buttons.
Frequency	–	–	• If [Position] has been selected, search the frequency here by pressing ◀ ▶ buttons. • If [Direct] has been selected, this function will be not available (grayed out).
Name	□←→□←→□←→□←→□ (□:a letter)		This is used to input the name of the TV station within 5 letters. After fixing the cursor on the first digit, select a letter by ▼▲ SELECT buttons and move to next digit by ▶ ADJUST button. Press the OK button again after finished. • Selectable letters are "0"~"9", "A"~"Z", "+", "–", " "(blank), ","(comma) and "."(period) .
Sound System	→ Auto ←→ M ←→ BG ← → DK ←→ I ←		Select the sound system through the 5 different settings.
Color System	→ Auto ←→ PAL ←→ SECAM ← → NTSC3.58 ←→ NTSC4.43 ←		Select the color system through the 5 different settings.
Skip	→ Off ←→ On ←		If this is set to On, that position will be skipped while selecting positions by PROGRAM UP/DOWN buttons. This is automatically set to On for those non-broadcasting channels.
NR	→ Off ←→ On ←		If this is set to On, it helps to reduce the noise interference visible on the screen, especially in the weaker signal reception areas.
Fine Tuning	Decreasing the frequency data for the main tuner	Increasing the frequency data for the main tuner.	After completing the fine-tuning, press the RETURN button to exit this mode. • The variable range is -56 ~ +56.
Sort	(When the Mode in Auto Tuning menu is set to [Direct], this function will be not available (grayed out).)		
(A Line of position List)	–	–	Press OK button at the a line that is required to change order, then the characters will change to green. And move it up or down in the list by pressing ▼▲ SELECT buttons. And press OK button to complete it. Press the RETURN button to exit.
Auto Off	→ Off ←→ On ←		If this is set to On, the power will be turned off when there is no transmission signal and no operation for about 10 minutes in the TV mode.

[During VIDEO signal input]

1 item is added to the Menu shown in the page 39 .

Selected characters	◀	▶	Setup hint
Scart Output	→ TV ←→ Monitor ←		TV:AV4 (Scart) output will be fixed as TV signal output. Monitor:AV4 (Scart) output can view the image as on the main unit. But it is possible to monitor only the composite video signal from AV1, AV2, or AV3 input that is displayed on the screen at the time.

OTHER FUNCTIONS

A2 / NICAM / Sound Multiplex

• The CH I / II button is only useful for NICAM and sound multiplex signals.
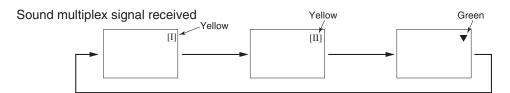Otherwise pressing this button will have no effect.
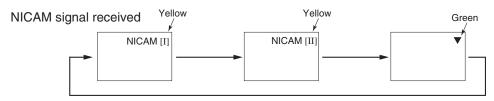
BILINGUAL / DUAL sound broadcast

When bilingual program is received, sound mode display appears in yellow as shown on right.
Press the CH I / II button to select the sound to be heard.
Each time the button is pressed, I, II or ▼ (force mono) appear cyclically on the screen.
When receiving NICAM signals, NICAM display will appear as below.

```
                                         8
                                  NICAM [II]
```

Sound multiplex signal received

NICAM signal received
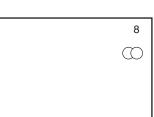
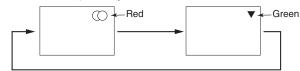Select I, II or ▼ (force mono) to hear the CH I, CH II or MONO broadcast respectively.

STEREO sound broadcast

When a stereo program is received, sound mode display will appear in red, and you can press the CH I / II button to select between stereo and mono sound.
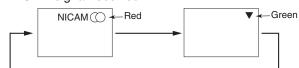
Each time the button is pressed, ◯◯ or ▼ (force mono) appear cyclically on the screen.
When receiving NICAM signals, NICAM display will appear as below.

```
                                         8
                                       ◯◯
```

Sound multiplex signal received

NICAM signal received

Select ◯◯ or ▼ (force mono) to hear the STEREO or MONO broadcast respectively.

Monaural sound broadcast

When a monaural program is received, sound mode display will appear in green.
You can press the CH I / II button to select the sound mode between monaural and forced mono (sound is same).
Each time the button is pressed, ▽ or ▼ (force mono) appear cyclically on the screen.

```
                                         8
                                        ▽
```

NOTE
· If sound signal is not strong enough for quality reception, press the CH I / II button until ▼ appears on the screen to receive a clear mono sound.
· If sound has hiss noise or keep switching between stereo and mono mode due to signal condition, press the CH I / II button until ▼ appears on the screen to receive a clear mono sound.
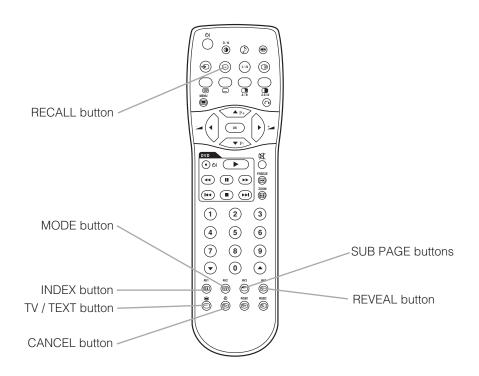
OPERATING INSTRUCTIONS (continued)

OTHER FUNCTIONS (continued)

DVD Player Selection
• You can use this remote control to operate the selected brand of DVD player by pressing the following buttons on the remote control simultaneously.

Brands of DVD Player	Press	Brands of DVD Player	Press
Hitachi	**RECALL** (1)	RCA	**RECALL** (9)
Pioneer	**RECALL** (2)	Mitsubishi	**RECALL** (0)
Panasonic	**RECALL** (3)	Onkyo	**RECALL** **INDEX**
Toshiba	**RECALL** (4)	Zenith	**RECALL** **MODE**
Philips	**RECALL** (5)	Orion	**RECALL** **SUB PAGE**
JVC	**RECALL** (6)	Shinco	**RECALL** **CANCEL**
Samsung	**RECALL** (7)	Skyworth	**RECALL** **REVEAL**
Sony	**RECALL** (8)	Bubuko	**RECALL** **TV/TEXT**

Example
To operate HITACHI DVD player, press and hold the RECALL button, followed by the (1) button.

RECALL button

MODE button

INDEX button
TV / TEXT button

CANCEL button

SUB PAGE buttons

REVEAL button

NOTE
· Not all models of the listed brands can be operated using this remote control.

TROUBLESHOOTING

Symptoms That Seemingly Appear to be Failures

Make the checks suggested below depending on the symptoms observed. If the symptoms remain uncorrected, contact your dealer.

⚠ WARNING

Customer servicing can be hazardous.

Symptom	Possible reason	Remedy
snowy picture - poor sound	(1) Connection of antenna cable to the TV is poor. (2) Corroded or poor antenna connections. (3) Antenna has moved position. (4) Adverse weather conditions. (5) Transmitter problems.	(1) Make new connection and/or change antenna plug. (2) Make new connections or renew cable. (3) Re-align antenna. (4) None. (5) Check with local Operator.
multiple images - sound O.K	(1) Antenna has moved position. (2) TV not tuned correctly. (3) Adverse weather conditions. (4) Transmitter problems. (5) AV Input not set correctly.	(1) Re-align antenna. (2) Re-tune or fine tune TV. (3) None. (4) Check with local Operator. (5) Check the external equipment connected.
intermittent interference	(1) Interference from electrical or mechanical motors, fluorescent lights, portable radios etc.	(1) Check devices for shielding and renew if necessary or move further from TV.
no picture or sound	(1) TV may be in AV mode. (2) Picture/sound setting set to minimum. (3) TV in standby or power save mode.	(1) Press the INPUT SELECT button or ⓪ to ⑨ buttons on your remote control to return to normal TV mode. (2) Check picture / sound controls (go to MAIN MENU). (3) Press POWER ON / OFF button.

PRODUCT SPECIFICATIONS

This table shows the specifications when the optional video unit and tuner unit have been inserted.

Panel	Display dimensions	Approx. 32 inches (716 (H) x 399 (V) mm, diagonal 820mm)	Approx. 42 inches (922 (H) x 522 (V) mm, diagonal 1059mm)
	Resolution	852 (H) x 1024 (V) pixels	1024 (H) x 1024 (V) pixels
Net dimensions (excluding Speakers/Stand)		830 (W) x 506 (H) x 92 (D) mm	1030 (W) x 636 (H) x 91 (D) mm
Net weight (excluding Speakers/Stand)		24.6kg	34.9kg
Ambient conditions	Temperature	Operating : 5°C to 35°C, Storage : 0°C to 40°C	
	Relative humidity	Operating : 20% to 80%, Storage : 20% to 90% (non-condensing)	
Power supply		AC100 - 240V, 50/60Hz	
Power consumption/at standby		255W / <3W	365W / <3W
Audio output		12W + 12W (6Ω)	
(RGB input)			
Input signals	Input terminals	RGB1 DVI input terminal (DVI-D) RGB1 audio input terminal (3.5mm Stereo Mini Jack) RGB2 analog RGB input terminal (D-sub 15-pin) RGB2 audio input terminal (3.5mm Stereo Mini Jack)	
	Video signals	0.7 V/1.0 Vp-p, analog RGB (Recommended Signal) 480i, 576i, 480p, 576p, 1080i/50, 1080i/60, 720p/60	
	Sync signals	H/V separate, TTL level [2KΩ] H/V composite, TTL level [2KΩ] Sync on green, 0.3 Vp-p [75Ω]	
Recommended signal		46 modes |29| |42|	
(Video input)			
Input signals	Input terminals	AV1: composite video input terminal (RCA) AV1: Y PB PR video input terminal (RCA) AV1: L/R audio input terminal (RCA) AV2: composite video input terminal (RCA) AV2: Y/G PB/B PR/R video input terminal (RCA) AV2: L/R audio input terminal (RCA) AV3: composite video input terminal (RCA) AV3: S video input terminal (RCA) AV3: L/R audio input terminal (RCA) AV4: composite video / S video / RGB / L/R audio input terminal (Scart)	
	Video signals	AV1: PAL, SECAM, NTSC3.58, NTSC4.43 AV1: 480i, 576i, 480p, 576p, 1080i/50, 1080i/60, 720p/60 AV2: PAL, SECAM, NTSC3.58, NTSC4.43 AV2: 480i, 576i, 480p, 576p, 1080i/50, 1080i/60, 720p/60, RGB AV3: PAL, SECAM, NTSC3.58, NTSC4.43 AV4: PAL, SECAM, NTSC3.58, NTSC4.43 AV4: RGB	
Video output Signal		OUTPUT (MONITOR): composite video monitor-output terminal (RCA) OUTPUT (MONITOR): L/R audio monitor- output terminal (RCA) AV4: composite video / L/R audio output terminal (SCART)	
Recommended signal		15 modes |42|	
(RF input)			
Input signals	Input terminals	ANT : 75Ω Unbalanced	
	RF Video System	PAL B, G, H / I / D, K SECAM B, G / D, K / K1 NTSC-M	

• The monitor takes at least 30 minutes to attain the status of optimal picture quality.

HITACHI

Speaker Systems for Hitachi Plasma Display Monitor

Application Model: **42PD5000*,42PMA500*,42HDM70,CMP421***

Model

CMPAS14/CMPAS14S　User Manual

Thank you for purchasing a Hitachi plasma display speaker system.
READ THE INSTRUCTIONS ON THIS USER MANUAL CAREFULLY.
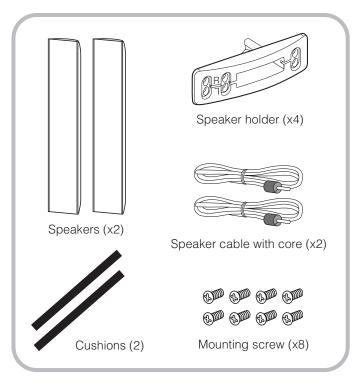KEEP THIS USER MANUAL FOR FUTURE REFERENCES.

⚠ CAUTION

DO NOT HANDLE MONITOR BY HOLDING THE SPEAKER SYSTEMS.

Caution required

Please be careful handling the speaker systems. Since the front side of the speaker systems is fragile, please do NOT press hard or subject impacts.

Product Components

Speaker holder (x4)

Speakers (x2)

Speaker cable with core (x2)

Cushions (2)

Mounting screw (x8)

Specifications

Type ....2 way 3 speakers.
　　　　　　　　　　　　Bass Reflex
Woofer...........................80mm cone type x 2 /
　　　　　　　　　　　　each
Tweeter ....25mm dome type
Impedance 6Ω
Max. input power............50W
RMS input power............20W
External Dimensions ......101.5 (W) x 635.5 (H)
　　　　　　　　　　　　x 90.5 (D) mm / each
Weight ....2.1kg / each

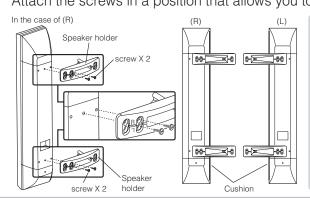Specifications and design subject to possible modification without notice, due to improvements.

⚠ **Caution**

Make sure the monitor power is switched off (with the standby/ receive lamp switched off or red) before you connect or disconnect the speaker cables.

Attach the speaker systems to the monitor.

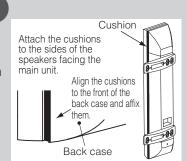**1** **Attach the speaker brackets to the speaker systems.**

Attach the screws in a position that allows you to read the speaker holder orientation markers (R), (L).

In the case of (R)

Speaker holder

screw X 2

Speaker holder
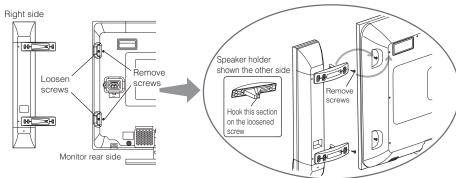
screw X 2

(R) (L)

Cushion

Notice

Use of cushions

In some cases, there can be a gap between the main unit and the speaker. You can attach the cushions provided to the side of the speaker system, if desired, to eliminate the gap.
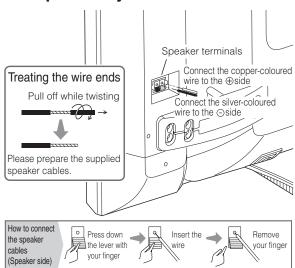
Cushion

Attach the cushions to the sides of the speakers facing the main unit.

Align the cushions to the front of the back case and affix them.

Back case

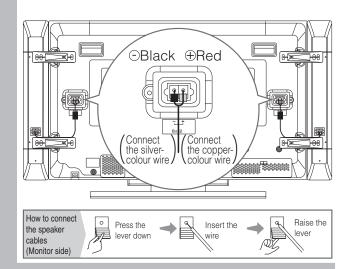**2** **Attach the speaker systems to the monitor.**

Remove two screws on each side of the monitor as shown and keep them for re-install. Loosen two screws on each side of the monitor as shown so that the speaker holders can be slide on to them. Insert the loosened screws into the engaging holes of the speaker holders that are attached to the speaker system, and slide the screws downwards. Next, use the previously-removed screws to fasten the speaker holders into the mounting holes in the monitor. Tighten the four screws to secure.

Right side

Loosen screws

Remove screws

Monitor rear side

Speaker holder shown the other side

Hook this section on the loosened screw

Remove screws

3 **Attach the connection cables to the speaker system.**

Speaker terminals

Connect the copper-coloured wire to the ⊕side

Connect the silver-coloured wire to the ⊖side

Treating the wire ends

Pull off while twisting

Please prepare the supplied speaker cables.

How to connect the speaker cables (Speaker side)

Press down the lever with your finger → Insert the wire → Remove your finger

4 **Attach the speaker connection cables to the monitor.**

⊖Black ⊕Red

Connect the silver-colour wire

Connect the copper-colour wire

How to connect the speaker cables (Monitor side)

Press the lever down → Insert the wire → Raise the lever

Caution required

Be sure to insert the speaker cables securely.
Lock the connection terminal level securely.

HITACHI

Système de haut-parleurs pour Ecran à plasma Hitachi

Modèle applicable : **42PD5000*, 42PMA500*, 42HDM70, CMP421***

Modèle

FRANÇAS

CMPAS14/CMPAS14S   Mode d'emploi

Nous vous remercions d'avoir acheté un Système de haut-parleurs pour Ecran à plasma Hitachi Veuillez lire attentivement les instructions dans ce Mode d'emploi. Après lecture, veuillez conserver ce Mode d'emploi afin que vous puissiez vous y référer par la suite le cas échéant.
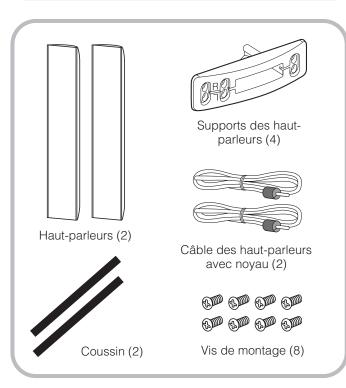
⚠ ATTENTION

Ne pas manipuler l'écran en le tenant par les haut-parleurs.

AVERTISSEMENT

Veuillez manipuler les haut-parleurs avec précaution. Comme la face avant des haut-parleurs est fragile, NE PAS faire subir de gros chocs aux haut-parleurs.

Composants du produit

Supports des haut-parleurs (4)

Haut-parleurs (2)

Câble des haut-parleurs avec noyau (2)

Coussin (2)

Vis de montage (8)

Caractéristiques techniques

Type ....3 haut-parleurs double, Bass Reflex

Haut-parleur grave (Woofer) ...Type cone 80 mm x 2/chacun

Haut-parleur aigu (Tweeter) ....Type dôme 25 mm

Impédance ....6 Ω

Puissance de sortie maxi ...50 W

Puissance d'entrée RMS....20 W

Dimensions externes......101,5 (Largeur) X 635,5 (Hauteur) X 90,5 (Profondeur) mm.chacun

Poids ....2,1 kg /chacun

Les caractéristiques techniques et le design peuvent faire l'objet de modifications sans préavis en vue d'améliorer l'appareil.

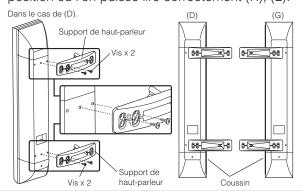## ⚠ ATTENTION
Veuillez brancher ou débrancher les câbles des haut-parleurs après avoir mis sans faute l'écran hors tension (dans l'état de veille ou avec la lampe d'alimentation éteinte ou allumée en rouge).
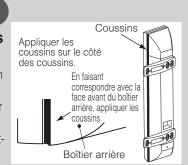
Fixer les haut-parleurs sur l'écran.

1 Fixer les dispositifs de support des haut-parleurs.
Mettre en place les vis de fixation afin que le sens des supports des haut-parleurs soit correct et dans une position où l'on puisse lire correctement (R), (L).
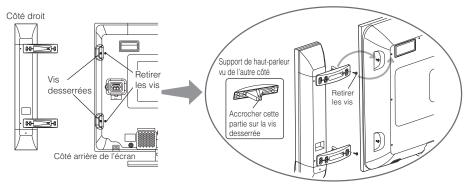
Dans le cas de (D).

Support de haut-parleur

Vis x 2

Vis x 2

Support de haut-parleur

(D)　(G)

Coussin

Remarque

A propos des coussins

Il existe un espace entre le haut-parleur et l'unité principale (écran plasma). Pour les personnes que cet espace préoccupe, appliquer les coussins fournis avec l'équipement sur le côté des haut-parleurs.
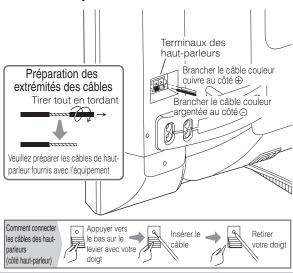
Coussins

Appliquer les coussins sur le côté des coussins.

En faisant correspondre avec la face avant du boîtier arrière, appliquer les coussins.

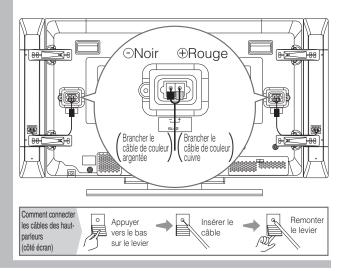Boîtier arrière

2 Fixer les haut-parleurs sur l'écran.
Retirer les deux vis de chaque côté de l'écran comme indiqué sur la figure et les conserver soigneusement pour le remontage. Desserrer les deux vis de chaque côté de l'écran comme indiqué sur la figure de telle sorte que les supports de haut-parleur puisse être monté sur eux en coulissant. Insérer les vis desserrées dans les trous des supports de haut-parleurs qui sont fixés au système de haut-parleur et faire glisser les vis vers les bas. Ensuite, utiliser les vis qui ont été enlevées pour fixer les supports de haut-parleurs dans les trous de montage situés sur l'écran. Resserrer les quatre vis pour bien immobiliser le dispositif.

Côté droit

Vis desserrées

Retirer les vis

Côté arrière de l'écran

Support de haut-parleur vu de l'autre côté

Accrocher cette partie sur la vis desserrée

Retirer les vis

3 Installer les câble de branchement des haut-parleurs

Terminaux des haut-parleurs

Brancher le câble couleur cuivre au côté ⊕

Brancher le câble couleur argentée au côté ⊖

Préparation des extrémités des câbles
Tirer tout en tordant

Veuillez préparer les câbles de haut-parleur fournis avec l'équipement

Comment connecter les câbles des haut-parleurs (côté haut-parleur)

Appuyer vers le bas sur le levier avec votre doigt

Insérer le câble

Retirer votre doigt

4 Brancher les câbles de connexion des haut-parleurs à l'écran à plasma

⊖Noir　⊕Rouge

Brancher le câble de couleur argentée

Brancher le câble de couleur cuivre

Comment connecter les câbles des haut-parleurs (côté écran)

Appuyer vers le bas sur le levier

Insérer le câble

Remonter le levier

PRECAUTIONS
Veuillez bien insérer les câbles des haut-parleurs.
Veuillez verrouiller sans faute le levier du connecteur de branchement.

HITACHI

Lautsprecherboxen für Hitachi Plasma-Displaymonitor

Geeignetes Modell: **42PD5000*,42PMA500*,42HDM70,CMP421***

Modell

CMPAS14/CMPAS14S Bedienungsanleitung

DEUTSCH

Herzlichen Glückwunsch zum Kauf des HITACHI Plasmadisplay-Lautsprechersystems.
BITTE LESEN SIE DIE ANWEISUNGEN DIESER BEDIENUNGSANLEITUNG
SORGFÄLTIG DURCH.
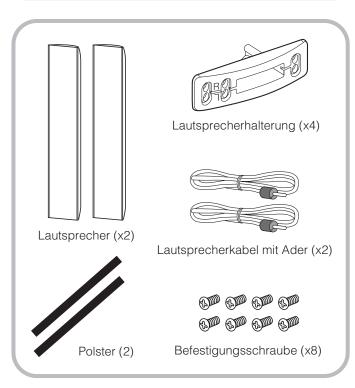BEWAHREN SIE DIESE ANLEITUNG ZUM ZUKÜNFTIGEN NACHSCHLAGEN AUF.

⚠ VORSICHT

TRAGEN SIE DEN MONITOR NICHT, INDEM SIE DIE LAUTSPRECHERBOXEN GREIFEN.

Vorsicht erforderlich

Bitte die Lautsprecherboxen vorsichtig behandeln. Da die Vorderseite der Lautsprecherboxen
empfindlich ist, NICHT stark andrücken oder anstoßen.

Produktkomponenten

Lautsprecherhalterung (x4)

Lautsprecher (x2)

Lautsprecherkabel mit Ader (x2)

Polster (2)　　Befestigungsschraube (x8)

Technische Daten

Typ ....2 Wege 3 Lautsprecher.
　　　　　　　　　　　　　　Bassreflex
Tieftöner ....80 mm Konustyp x je 2
Hochtöner......................25 mm Kalottentyp
Impedanz ....6 Ω
Max. Eingangleistung.....50 W
Effektiv-Eingangsleistung ...20 W
Außenabmessungen ......Je 101,5 (B) x 635,5
　　　　　　　　　　　　　　(H) x 90,5 (T) mm
Gewicht ....Je 2,1 kg

Änderungen bei technischen Daten und Design
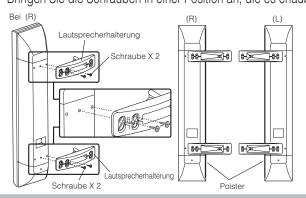im Sinne der Produktverbesserung bleiben
vorbehalten.

⚠ Vorsicht

Stellen Sie sicher, dass der Monitor ausgeschaltet ist (mit Standby/Empfang-Lämpchen erloschen oder rot), bevor Sie die Lautsprecherkabel anschließen oder abtrennen.

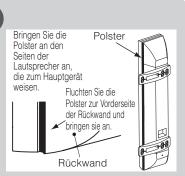## Bringen Sie die Lautsprecherbügel am Monitor an.

1 Bringen Sie die Lautsprecherbügel an den Lautsprecherboxen an.

Bringen Sie die Schrauben in einer Position an, die es erlaubt, die Lautsprecherhalter-Ausrichtmarkierungen (R), (L) zu sehen.
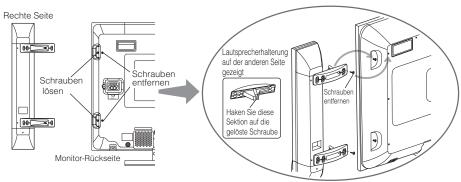
Bei (R)

Lautsprecherhalterung

Schraube X 2

(R) (L)

Lautsprecherhalterung

Schraube X 2

Polster

Hinweis

Verwendung von Polstern

In manchen Fällen kann ein Abstand zwischen Hauptgerät und Lautsprecher auftreten. Sie können wenn gewünscht die mitgelieferten Polster an der Seite der Lautsprecherbox anbringen, um diesen Abstand zu beseitigen.
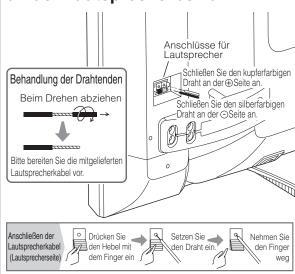
Bringen Sie die Polster an den Seiten der Lautsprecher an, die zum Hauptgerät weisen.

Polster

Fluchten Sie die Polster zur Vorderseite der Rückwand und bringen sie an.

Rückwand

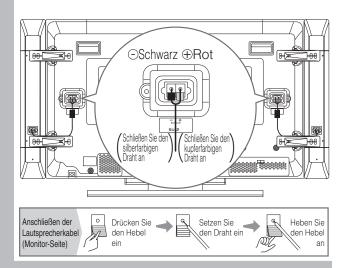### 2 Bringen Sie die Lautsprecherbügel am Monitor an.

Entfernen Sie die beiden Schrauben an jeder Seite des Monitors wie gezeigt und bewahren Sie sie zur Wiederanbringung auf. Lösen Sie die beiden Schrauben an jeder Seite des Monitors wie gezeigt, so dass die Lautsprecherhalterungen darauf gleiten können. Setzen Sie die gelösten Schrauben in die Einsetzlöcher an den Lautsprecherhalterungen am Lautsprechersystem ein, und schieben Sie die Schrauben nach unten. Dann verwenden Sie die vorher entfernten Schrauben zum Befestigen der Lautsprecherhalterungen an den Montagelöchern des Monitors. Ziehen Sie die vier Schrauben zur Befestigung an.

Rechte Seite

Schrauben lösen

Schrauben entfernen

Monitor-Rückseite

Lautsprecherhalterung auf der anderen Seite gezeigt

Haken Sie diese Sektion auf die gelöste Schraube

Schrauben entfernen

3 Bringen Sie die Verbindungskabel an der Lautsprecherbox an.

Anschlüsse für Lautsprecher

Schließen Sie den kupferfarbigen Draht an der ⊕ Seite an.

Schließen Sie den silberfarbigen Draht an der ⊖ Seite an.

Behandlung der Drahtenden

Beim Drehen abziehen

Bitte bereiten Sie die mitgelieferten Lautsprecherkabel vor.

Anschließen der Lautsprecherkabel (Lautsprecherseite) | Drücken Sie den Hebel mit dem Finger ein → Setzen Sie den Draht ein. → Nehmen Sie den Finger weg

4 Bringen Sie die Lautsprecherverbindungskabel am Monitor an.

⊖Schwarz ⊕Rot

Schließen Sie den silberfarbigen Draht an

Schließen Sie den kupferfarbigen Draht an

Anschließen der Lautsprecherkabel (Monitor-Seite) | Drücken Sie den Hebel ein → Setzen Sie den Draht ein → Heben Sie den Hebel an

Vorsicht erforderlich

Setzen Sie die Lautsprecherkabel fest ein.
Sperren Sie den Anschlussterminalhebel sicher.

HITACHI

Sistemi Audio per Schermo al Plasma Hitachi.

Utilizzabile con i seguenti modelli: **42PD5000*,42PMA500*,42HDM70,CMP421***

Modello

CMPAS14/CMPAS14S **Manuale Utente**

Grazie per l'acquisto del sistema audio Hitachi per schermo al plasma.

Leggere attentamente le istruzioni contenute in questo manuale utente.

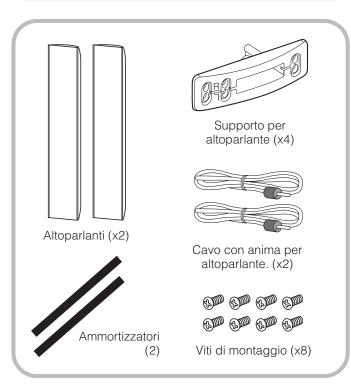Conservare il manuale utente per riferimenti futuri.

ITALIANO

⚠ **Attenzione**

Non maneggiare lo schermo attraverso il sistema audio.

Fare attenzione

Maneggiare con cautela il sistema audio. A causa della fragilita' della parte anteriore del sistema audio, fare attenzione a non sottoporre a forte pressione o ad impatti.

Componenti del Prodotto

Supporto per altoparlante (x4)

Altoparlanti (x2)

Cavo con anima per altoparlante. (x2)

Ammortizzatori (2)

Viti di montaggio (x8)

Caratteristiche

Tipo ....2 vie 3 casse. Basso con Reflex
Woofer...........................80mm tipo a cono x 2/ciascuno
Tweeter ....25 mm tipo a cupola
Impedenza ....6 Ω
Potenza massima d'ingresso ...50 W
Potenza d'ingresso RMS....20 W
Dimensioni Esterne ....101,5 (Spessore) x 635,5 (Altezza) x 90,5 (Diametro) mm/ciascuno
Peso ....2,1 kg/ciascuno
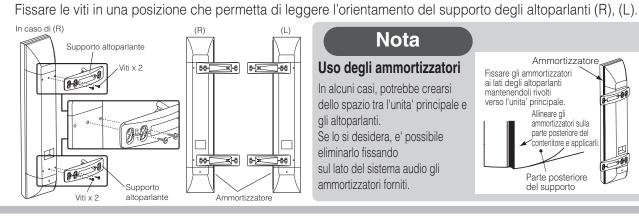
Le caratteristiche ed il design sono soggetti a possibili modificazioni senza avviso, dovuto a miglioramenti.

⚠ Attenzione

Assicurarsi dello spegnimento dello schermo (con la luce di standby/ricezione, spenta o rossa) prima di connettere o sconnettere i cavi audio.
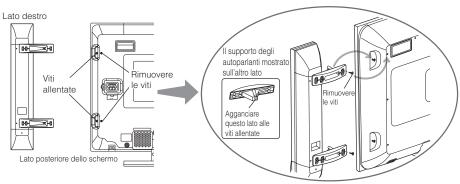
Fissare il sistema audio allo schermo

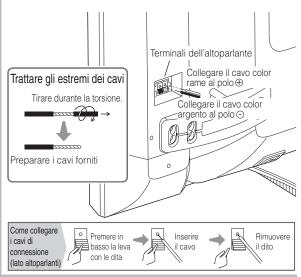**1　Fissare i supporti degli altorparlanti al sistema audio.**

Fissare le viti in una posizione che permetta di leggere l'orientamento del supporto degli altoparlanti (R), (L).

In caso di (R)　　　　　(R)　　(L)

Supporto altoparlante

Viti x 2

Supporto altoparlante

Viti x 2　　Ammortizzatore

Nota

Uso degli ammortizzatori

In alcuni casi, potrebbe crearsi dello spazio tra l'unita' principale e gli altoparlanti.
Se lo si desidera, e' possibile eliminarlo fissando sul lato del sistema audio gli ammortizzatori forniti.

Ammortizzatore

Fissare gli ammortizzatori ai lati degli altoparlanti mantenendoli rivolti verso l'unita' principale.

Allineare gli ammortizzatori sulla parte posteriore del contenitore e applicarli.

Parte posteriore del supporto
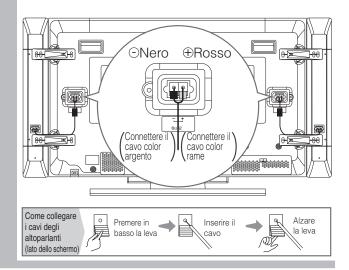
2　Fissare il sistema audio allo schermo

Togliere le due viti su ogni lato del monitor come illustrato e tenerle per il ri-assemblamento. Allentare le due viti su ogni lato del monitor come illustrato in modo da potervici far slittare sopra i sostegni delle casse. Inserire le viti allentate nei fori dei sostegni delle casse, che sono attaccati al corpo delle casse, e far slittare le viti verso il basso. In seguito, usare le viti rimosse precedentemente per stringere i sostegni negli appositi fori nel monitor. Stringere le quattro viti per fissare.

Lato destro

Viti allentate

Rimuovere le viti

Lato posteriore dello schermo

Il supporto degli autoparlanti mostrato sull'altro lato

Rimuovere le viti

Agganciare questo lato alle viti allentate

3　Collegare i cavi di connessione al sistema audio.

Terminali dell'altoparlante

Collegare il cavo color rame al polo ⊕

Collegare il cavo color argento al polo ⊖

Trattare gli estremi dei cavi

Tirare durante la torsione.

Preparare i cavi forniti

Come collegare i cavi di connessione (lato altoparlanti)　Premere in basso la leva con le dita　Inserire il cavo　Rimuovere il dito

4　Collegare i cavi di connessione audio allo schermo

⊖Nero　⊕Rosso

Connettere il cavo color argento　Connettere il cavo color rame

Come collegare i cavi degli altoparlanti (lato dello schermo)　Premere in basso la leva　Inserire il cavo　Alzare la leva

Fare attenzione

Assicurarsi di inserire in modo sicuro i cavi degli altoparlanti.
Chiudere in modo sicuro il livello connesione terminali

HITACHI

Sistema de altavoces para el Monitor Plasma de Hitachi

Modelo Aplicable: **42PD5000*,42PMA500*,42HDM70,CMP421***

Modelo

CMPAS14/CMPAS14S Manual del Usuario

Muchas gracias por la adquisición del Sistema de Altavoces para el Monitor Plasma de Hitachi. LEA CUIDADOSAMENTE INSTRUCCIONES CONTENIDAS EN ESTE MANUAL DEL USUARIO. GUARDE ESTE MANUAL PARA LAS FUTURAS REFERENCIAS.
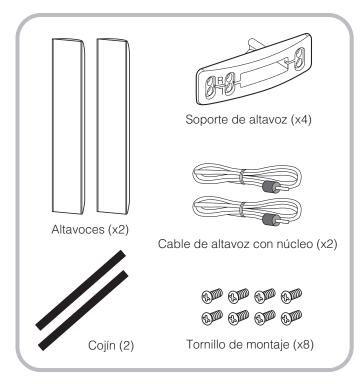
⚠ PRECAUCION

NO MANIPULE EL MONITOR SOSTENIENDO POR EL SISTEMA DE ALTAVOCES.

ESPAÑOL

NOTA

Tenga sumo cuidado en el tratamiento de los sistemas de altavoz. Como la delantera de los sistemas de altavoz es frágil, cuídese de NO empujarla fuertemente ni golpearla.

Componentes del Producto

Soporte de altavoz (x4)

Altavoces (x2)

Cable de altavoz con núcleo (x2)

Cojín (2)   Tornillo de montaje (x8)

Especificaciones

Tipo ....3 altavoces bidireccionales.
Bass Reflex
Altavoz graves................Tipo cónico de 80mm
x 2/cada uno
Altavoz agudos...............Tipo cúpula 25 mm
Impedancia.....................6 Ω
Potencia de entrada máx. ....50 W
Potencia de entrada RMS ....20 W
Dimensiones externas....101,5 (Ancho) x 635,5
(Alto) x 90,5 (Fondo)
mm/cada uno
Peso ....2,1 kg /cada uno

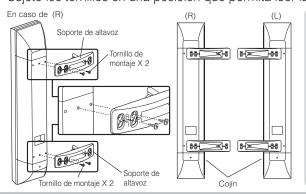Las especificaciones y diseño están sujetos a modificaciones sin previo aviso por fines de mejora.

⚠ ATENCION

La conexión/desconexión de los cables de altavoz debe realizarse siempre con el interruptor de alimentación del monitor desconectado (en estado de espera/lámpara de recepción de imagen apagada o encendida en rojo).

Sujete el sistema de altavoces deslizándolo sobre los tornillos aflojados y reinstale los tornillos retirados.

1 **Sujete los soportes de altavoz a los sistemas de altavoz.**

Sujete los tornillos en una posición que permita leer las marcas de orientación de los soportes de altavoz (R), (L).

En caso de (R)

Soporte de altavoz

Tornillo de montaje X 2

Tornillo de montaje X 2　Soporte de altavoz

(R)　(L)

Cojin

Aviso

Sobre el cojín.

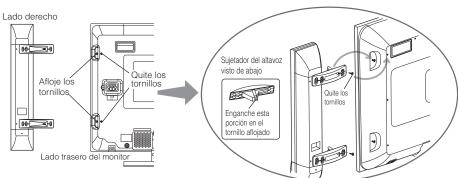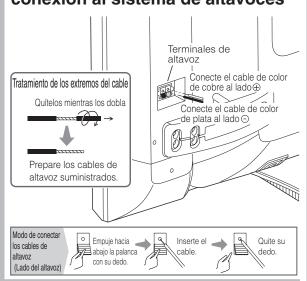Hay posibilidad de que se produzca una pequeña separación entre la unidad principal y el sistema de altavoces.

Esta separación puede eliminarse pegando el cojín suministrado a la superficie lateral del sistema de altavoz.　Cojín

Pegue el cojín alineando la superficie delantera de la caja trasera.

Caja trasera

2 **Sujete el sistema de altavoces deslizándolo sobre los tornillos aflojados y reinstale los tornillos retirados.**
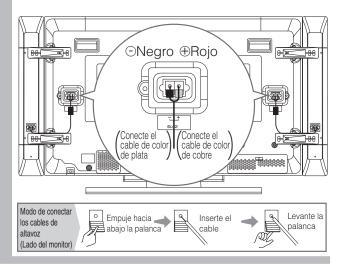
Quite los dos tornillo de cada costado del monitor tal como se muestra y manténgalos para su reinstalación. Afloje los dos tornillos de cada costado del monitor tal como se muestra de manera que los sujetadores de altavoz puedan deslizarse sobre ellos. Inserte los tornillos aflojados en los agujeros de enganche de los sujetadores de altavoz que están sujetos al sistema de altavoces, y deslice los tornillos hacia abajo. Seguidamente, use los tornillos previamente aflojados para sujetar los sujetadores de altavoz en los agujeros de montaje del monitor. Apriete firmemente los cuatro tornillos.

Lado derecho

Afloje los tornillos

Quite los tornillos

Lado trasero del monitor

Sujetador del altavoz visto de abajo

Enganche esta porción en el tornillo aflojado

Quite los tornillos

3 **Conexión de los cables de conexión al sistema de altavoces**

Terminales de altavoz

Conecte el cable de color de cobre al lado ⊕

Conecte el cable de color de plata al lado ⊖

Tratamiento de los extremos del cable

Quítelos mientras los dobla

Prepare los cables de altavoz suministrados.

Modo de conectar los cables de altavoz (Lado del altavoz)

Empuje hacia abajo la palanca con su dedo. → Inserte el cable. → Quite su dedo.

4 **Sujete los cables de conexión de altavoz al monitor.**

⊖Negro ⊕Rojo

Conecte el cable de color de plata　Conecte el cable de color de cobre

Modo de conectar los cables de altavoz (Lado del monitor)

Empuje hacia abajo la palanca → Inserte el cable → Levante la palanca

NOTA

Asegúrese de insertar firmemente los cables de altavoz.
Asegúrese de bloquear firmemente la palanca de los terminales de conexión.

HITACHI

Högtalarsystem för Hitachi Plasmaskärmar.

Passar till följande modeller: **42PD5000*,42PMA500*,42HDM70,CMP421***

Modell

CMPAS14/CMPAS14S Användarmanual

Tack för att du köpte detta högtalarsystem för Hitachi Plasmaskärmar.
LÄS INSTRUKTIONERNA I DENNA MANUAL NOGGRANT.
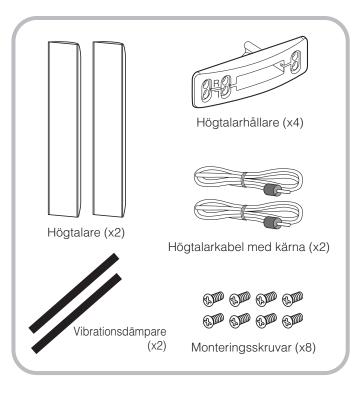SPARA DENNA MANUAL FÖR FRAMTIDA BEHOV.

⚠ FÖRSIKTIGHET

HANDSKAS INTE MED SKÄRMEN GENOM ATT HÅLLA I HÖGTALARSYSTEMET.

Var god beakta följande

Var försiktig vid handskande med högtalarsystemet. Då framsidan på högtalarsystemet är ömtålig utsätt INTE denna för tryck eller våld.

SVENSKA

Innehållsförteckning

Högtalarhållare (x4)

Högtalare (x2)

Högtalarkabel med kärna (x2)

Vibrationsdämpare (x2)

Monteringsskruvar (x8)

Specifikationer

Typ ....2 vägs 3 högtalare.
　　　　　　　　　　　　　Basreflex
Bashögtalare ....80 mm typ kärna x 2 /
　　　　　　　　　　　　　enhet
Diskanthögtalare ....25 mm kupol typ
Impedans ....6 Ω
Max. ineffekt...................50 W
RMS ineffekt...................20 W
Utvändiga dimensioner ....101,5 (B) x 635,5 (H)
　　　　　　　　　　　　　x 90,5 (D) mm/enhet
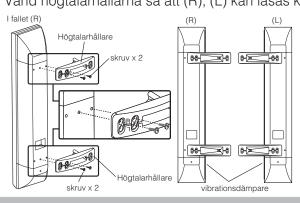Vikt ....2,1 kg/enhet

Specifikationer och design kan komma att ändras utan förvarning på grund av förbättringar.

> ### ⚠ Varning
> Högtalarkablarna får endast anslutas/kopplas ur då strömmen till skärmen är av
> (Vänteläge/mottagningslampan är släckt eller lyser rött)

Montering av högtalarsystemet på skärmen.

1 Anslut högtalarhållarna till högtalarsystemet.

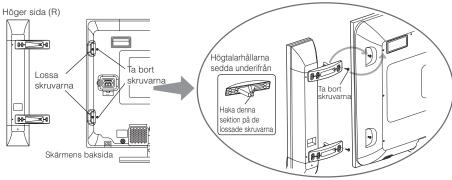Vänd högtalarhållarna så att (R), (L) kan läsas korrekt och fäst med skruvarna.

I fallet (R)

Högtalarhållare

skruv x 2

Högtalarhållare

skruv x 2

(R)　　　(L)

vibrationsdämpare

Information

Om vibrationsdämparna

Det kan uppstå glapp mellan skärmen och högtalarna. Använd de bifogade vibrationsdämparna för att fylla ut detta glapp genom att montera dessa på högtalarsystemet innan montage på skärmen.

Vibrationsdämpare

Fäst vibrationsdämparna på sidan av högtalarna vända mot huvudenheten.

Passa in och fäst vibrationsdämparna på framsidan av bakstycket.
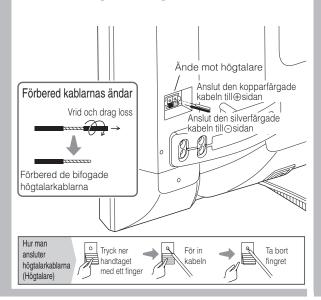
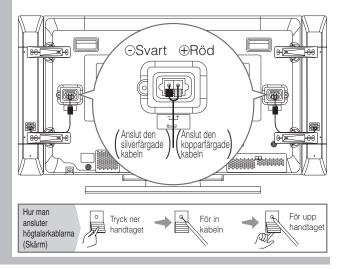Bakstycke

2 Montering av högtalarsystemet på skärmen.

Ta bort de två skruvarna på var sida om skärmen som bilden visar och spar dem för senare bruk. Lossa de två skruvarna på var sida om skärmen som bilden visar så att högtalarhållarna kan glida ner på dem. Passa in de lossade skruvarna i anslutningshålen på högtalarhållarna som är monterade på högtalarsystemet och skjut ner högtalarna. Skruva i de tidigare borttagna skruvarna och fixera högtalarhållarna på skärmen. Dra åt samtliga fyra skruvar.

Höger sida (R)

Lossa skruvarna

Ta bort skruvarna

Skärmens baksida

Högtalarhållarna sedda underifrån

Haka denna sektion på de lossade skruvarna

Ta bort skruvarna

3 Anslutning av högtalarkablar

Förbered kablarnas ändar

Vrid och drag loss

Förbered de bifogade högtalarkablarna

Ände mot högtalare

Anslut den kopparfärgade kabeln till ⊕ sidan

Anslut den silverfärgade kabeln till ⊖ sidan

Hur man ansluter högtalarkablarna (Högtalare)

Tryck ner handtaget med ett finger → För in kabeln → Ta bort fingret

4 Anslutning av högtalarkablarna till skärmen

⊖ Svart　⊕ Röd

Anslut den silverfärgade kabeln

Anslut den kopparfärgade kabeln

Hur man ansluter högtalarkablarna (Skärm)

Tryck ner handtaget → För in kabeln → För upp handtaget

Var god beakta följande

Se till att kablarna förs in ordentligt.
Se till att handtagen på anslutningskontakterna är ordentligt låsta.

HITACHI

Høytalersystemer for Hitachi Plasma skjermmonitor.

Brukermodell: **42PD5000*,42PMA500*,42HDM70,CMP421***

Modell

CMPAS14/CMPAS14S **Brukermanual**

Takk for at du kjøpte Hitachi Plasma skjermmonitor

LES INSTRUKSJONENE I DENNE BRUKERVEILEDNINGEN NØYE.

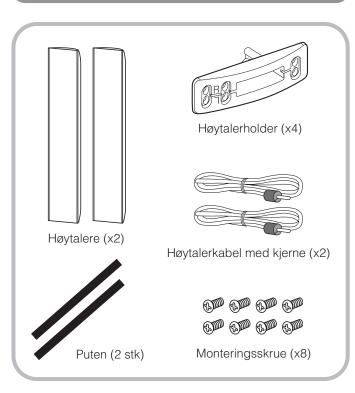OPPBEVAR DENNE BRUKERVEILEDNINGEN FOR SENERE REFERANSE.

⚠ VARSEL

Ikke behandl monitoren ved å holde på høytalersystemene.

Streng aktsomhet

Vær forsiktig med å håndtere høytalersystemene. Da høytalersystemenes forside er lett skadelig, vennligst ikke behandl på en uaktsomlig måte.

Produktskomponenter

Høytalerholder (x4)

Høytalere (x2)

Høytalerkabel med kjerne (x2)

Puten (2 stk)

Monteringsskrue (x8)

Tekniske Data

Type ....2 –veis 3 høytalere.
Bassrefleks

Woofer...........................80mm konisk type x
2/hver

Tweeter ....25 mm dome-type

Impedans ....6 Ω

Maks. utgangseffekt ....50 watt

RMS inngangseffekt.......20 watt

Utvendige dimensjoner ......101,5 x 635,5 x 90,5
mm (B x H x D) hver

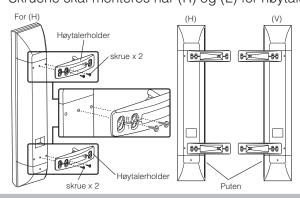Vekt ....2,1 kg hver

Tekniske data og utforming kan bli endret uten varsel pga. utbedringer.

NORSK

⚠ VARSEL

Høytalerkabelen skal være slått av ved innkobling / utkobling (Ved Standby / mottakerlampen ikke er på eller når den røde lampen blinker).

Monter høytalersystemene til monitoren.

1 **Monter høytalerledningene til høytalersystemene.**

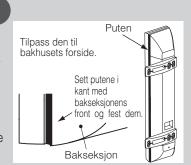Skruene skal monteres når (R) og (L) for høytalerholderens retning vises riktig.

For (H)   Høytalerholder   skrue x 2   (H)   (V)

Høytalerholder   skrue x 2   Puten

Melding

Om puten

En liten åpning vil oppstå ved enkelte tilfeller mellom legemet og høytaleren.
Ved gjentetning av åpningen kan du montere puten på legemets side.

Tilpass den til bakhusets forside.   Puten

Sett putene i kant med bakseksjonens front og fest dem.

Bakseksjon
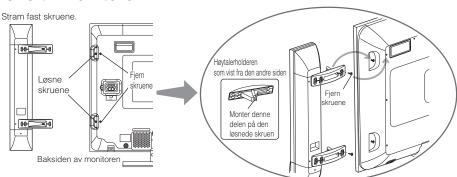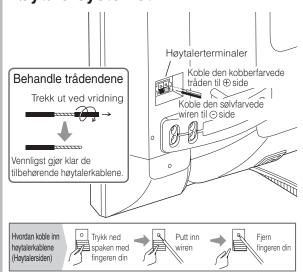
2 **Monter høytalersystemene til monitoren.**

Skru ut de to skruene fra begge sider av skjermen som vist og oppbevar dem for påmonteringen.
Løsne de to skruene fra begge sider av skjermen som vist slik at høytalerholderene kan skyves inn.
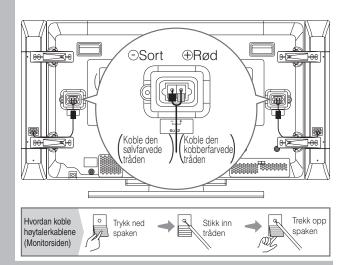Skyv inn de to løsnede skruene inn i festehullene på høytalerholderene som er festet til høytalersystemet og skyv skruene ned.
Bruk deretter de tidligere fjernede skruene til å feste høytalerholderene til skjermen.
Stram fast de fire skruene.

Stram fast skruene.

Løsne skruene   Fjern skruene

Baksiden av monitoren

Høytalerholderen som vist fra den andre siden

Monter denne delen på den løsnede skruen   Fjern skruene

3 **Monter koblingskabelen til høytalersystemet**

Høytalerterminaler
Koble den kobberfarvede tråden til ⊕ side
Koble den sølvfarvede wiren til ⊖ side

Behandle trådendene

Trekk ut ved vridning

Vennligst gjør klar de tilbehørende høytalerkablene.

Hvordan koble inn høytalerkablene (Høytalersiden)   Trykk ned spaken med fingeren din   Putt inn wiren   Fjern fingeren din

4 **Monter høytalerens koblingskabel til monitoren**

⊖Sort   ⊕Rød

Koble den sølvfarvede tråden   Koble den kobberfarvede tråden

Hvordan koble høytalerkablene (Monitorsiden)   Trykk ned spaken   Stikk inn tråden   Trekk opp spaken

Streng aktsomhet

Stikk inn høytalerkabelen med sikkerhet
Steng koblingsspaken med sikkerhet.

HITACHI

用于 Hitachi 等离子显示器的扬声器系统

适用的产品型号：42PD5000*, 42PMA500*, 42HDM70, CMP421*

型号

CMPAS14/CMPAS14S　　用户手册

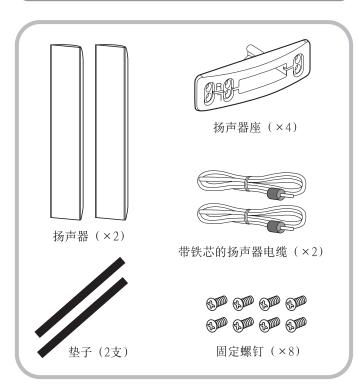本次承蒙您购买Hitachi等离子体显示器专用扬声器系统，谨向您表示衷心的感谢！
请仔细阅读本用户手册中的说明。
请保存本用户手册，以备将来查阅。

⚠ 注意
请勿抓握扬声器系统来搬运显示器。

务请遵守
请仔细操作扬声器系统。因为扬声器系统的前面容易破碎，请勿用力按压或使它受冲击。

产品部件	规格

产品部件

扬声器座（×4）

扬声器（×2）

带铁芯的扬声器电缆（×2）

垫子（2支）　　固定螺钉（×8）

规格

类型 2声道3扬声器低音反射
低音扬声器 .... 80 mm圆锥型 ×2/扬声器
　　　　　　　　　　　　系统
高频扬声器 .... 25 mm半球形
阻抗 .... 6 Ω
最大输入功率 .... 50 W
RMS输入功率 .... 20 W
外形尺寸 .... 101.5（宽）×635.5（高）
　　　　　　　　　　　×90.5（深）mm/扬声器
　　　　　　　　　　　系统
重量 .... 2.1 kg/扬声器系统
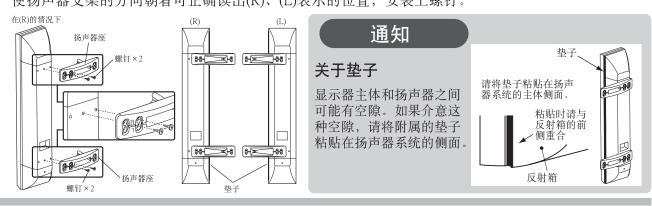
由于产品改进，规格和设计会有变更，恕不事先
通知。

简体中文

⚠ **注意**

请务必在切断显示器电源（待机/显像指示灯熄灭或呈红色点亮）的状态下连接/卸下扬声器电缆。

将扬声器系统连接到显示器上

1 **将扬声器支架固定在扬声器系统上。**

使扬声器支架的方向朝着可正确读出(R)、(L)表示的位置，安装上螺钉。

在(R)的情况下　　(R)　　(L)

扬声器座
螺钉×2
螺钉×2
扬声器座
垫子

通知

关于垫子

显示器主体和扬声器之间可能有空隙。如果介意这种空隙，请将附属的垫子粘贴在扬声器系统的侧面。
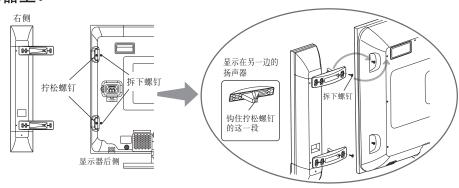
垫子
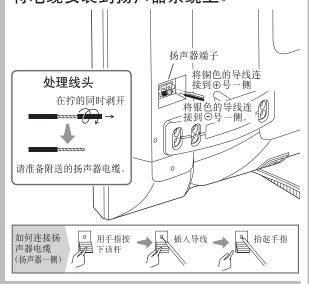请将垫子粘贴在扬声器系统的主体侧面。
粘贴时请与反射箱的前侧重合
反射箱

2 **将扬声器系统连接到显示器上。**

如图所示，拆下显示器两边的两颗螺钉，并将其保存好以备重新安装时使用。

如图所示，拧松显示器两边的两颗螺钉，使扬声器支架可以在螺钉上滑动。

将拧松的螺钉插入与扬声器系统连接的扬声器支架的接合孔内，并向下滑动螺钉。
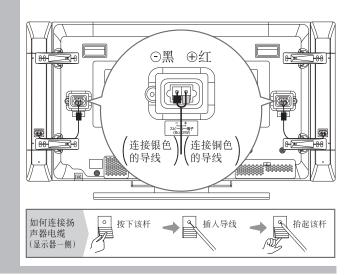
接下来，用原先拆下的螺钉将扬声器支架固定到显示器的安装孔上。

牢牢地拧紧四颗螺钉。

右侧
拧松螺钉
拆下螺钉
显示器后侧

显示在另一边的扬声器
钩住拧松螺钉的这一段
拆下螺钉

3 **将电缆安装到扬声器系统上。**

扬声器端子
将铜色的导线连接到⊕号一侧
将银色的导线连接到⊖号一侧

处理线头

在拧的同时剥开

请准备附送的扬声器电缆。

如何连接扬声器电缆（扬声器一侧）
用手指按下该杆　→　插入导线　→　抬起手指

4 **将扬声器电缆安装到显示器上。**

⊖黑　⊕红
连接银色的导线　连接铜色的导线

如何连接扬声器电缆（显示器一侧）
按下该杆　→　插入导线　→　抬起该杆

务请遵守

请将扬声器电缆确确实实地插入。
请用接线端压杆牢实地锁定。

HITACHI

用於 Hitachi 等離子顯示器的揚聲器系統

適用的產品型號：**42PD5000*, 42PMA500*, 42HDM70, CMP421***

型號

CMPAS14/CMPAS14S　　用戶手冊

本次承蒙您購買Hitachi等離子體顯示器專用揚聲器系統，謹向您表示衷心的感謝!
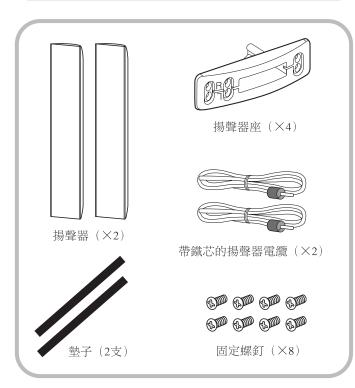
請仔細閱讀本用戶手冊中的説明。

請保存本用戶手冊，以備將來查閱。

⚠ 注意

請勿抓握揚聲器系統來搬運顯示器。

務請遵守

請仔細操作揚聲器系統。因為揚聲器系統的前面容易破碎，請勿用力按壓或使它受衝擊。

產品部件

揚聲器座（×4）

揚聲器（×2）

帶鐵芯的揚聲器電纜（×2）

墊子（2支）　　　　　固定螺釘（×8）

規格

類型................................2聲道3揚聲器低音反射

低音揚聲器..................80 mm圓錐型×2/揚聲器系統

高頻揚聲器..................25 mm半球形

阻抗..............................6 Ω

最大輸入功率..............50 W

RMS輸入功率..............20 W

外形尺寸......................101.5（寬）×635.5（高）×90.5（深）mm/揚聲器系統

重量..............................2.1 kg/揚聲器系統

由於產品改進，規格和設計會有變更，恕不事先通知。

繁體中文

⚠ **注意**
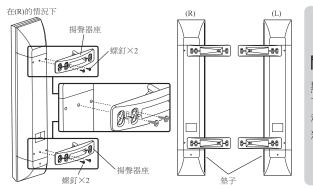
請務必在切斷顯示器電源（待機/顯像指示燈熄滅或呈紅色點亮）的狀態下連接/卸下揚聲器電纜。

將揚聲器系統連接到顯示器上

1 將揚聲器支架固定在揚聲器系統上。
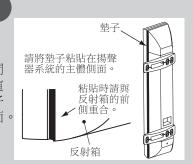
使揚聲器支架的方向朝著可正確讀出(R)、(L)表示的位置，安裝上螺釘。

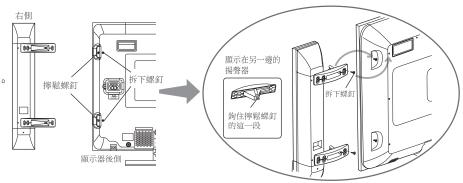在(R)的情況下

揚聲器座

螺釘×2

揚聲器座

螺釘×2

(R)　(L)

墊子

通知

關於墊子

顯示器主體和揚聲器之間可能有空隙。如果介意這種空隙，請將附屬的墊子粘貼在揚聲器系統的側面。

墊子

請將墊子粘貼在揚聲器系統的主體側面。

粘貼時請與反射箱的前側重合。

反射箱

2 將揚聲器系統連接到顯示器上。
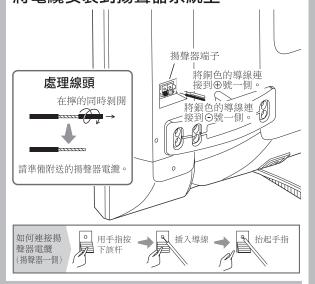
如圖所示，拆下顯示器兩邊的兩顆螺釘，並將其保存好以備重新安裝時使用。

如圖所示，擰鬆顯示器兩邊的兩顆螺釘，使揚聲器支架可以在螺釘上滑動。將擰鬆的螺釘插入與揚聲器系統連接的揚聲器支架的接合孔內，並向下滑動螺釘。
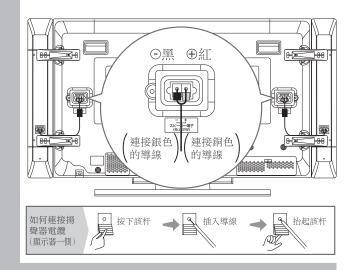
接下來，用原先拆下的螺釘將揚聲器支架固定到顯示器的安裝孔上。

牢牢地擰緊四顆螺釘。

右側

擰鬆螺釘

拆下螺釘

顯示器後側

顯示在另一邊的揚聲器

拆下螺釘

鉤住擰鬆螺釘的這一段

3 將電纜安裝到揚聲器系統上。

揚聲器端子

將銅色的導線連接到⊕號一側。

將銀色的導線連接到⊖號一側。

處理線頭

在擰的同時剝開

請準備附送的揚聲器電纜。

如何連接揚聲器電纜（揚聲器一側）｜用手指按下該桿 ➡ 插入導線 ➡ 抬起手指

4 將揚聲器電纜安裝到顯示器上。

⊖黑　⊕紅

連接銀色的導線

連接銅色的導線

如何連接揚聲器電纜（顯示器一側）｜按下該桿 ➡ 插入導線 ➡ 抬起該桿

務請遵守

請將揚聲器電纜確確實實地插入。
請用接線端壓杆牢實地鎖定。

HITACHI

日　42
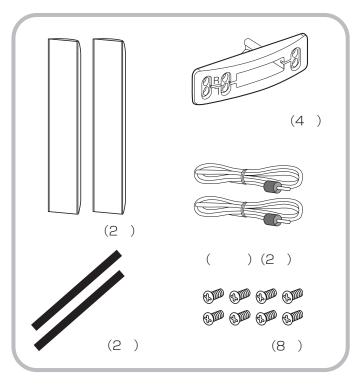
形名

CMPAS14/CMPAS14S　　取扱説明書

421

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部品構成表

（4　）

（2　）

（　　）（2　）

（2　）　　　　　　　（8　）

仕様

.........................2　　　3

.....................80　　　　　　　　2
（　　　　　）
.....................25
....6
.....................20W　　EITA
.....................50W
.....................101.5（　）　635.5
（　）　90.5（　　　）
（　　　　　　　）
...........................2.1　　（　　　　　）

日本語

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1

(R)　(L)

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2

2

2

(R)

3

4

QR59021